

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

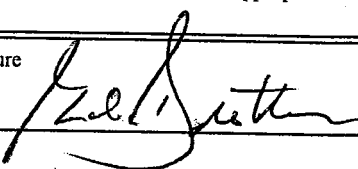
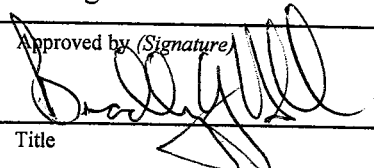
APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0137  
Expires July 31, 2010

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. <b>14-20-H62-3519</b>
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name <b>UTE INDIAN TRIBE</b>
2. Name of Operator <b>PETROGLYPH OPERATING CO., INC.</b>		7. If Unit or CA Agreement, Name and No. <b>UTE TRIBAL</b>
3a. Address <b>P.O. BOX 607, ROOSEVELT, UT 84066</b>		8. Lease Name and Well No. <b>UTE TRIBAL #30-13</b>
3b. Phone No. (Include area code) <b>(435)722-2531</b>		9. API Well No. <b>43013-34054</b>
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface <b>390' FSL, 183' FWL SW/SW</b> <b>962001X 40.011498</b> At proposed prod. Zone <b>4429676Y - 110.273551</b>		10. Field and Pool, or Exploratory <b>ANTELOPE CREEK</b>
11. Sec., T., R., M., or Blk. and Survey or Area <b>SEC. 30, T5S, R3W, U.S.B.&amp;M.</b>		12. County or Parish <b>DUCHESNE</b>
13. State <b>UTAH</b>		14. Distance in miles and direction from nearest town or post office* <b>20.1 MILES SOUTHWEST OF MYTON, UTAH</b>
15. Distance from proposed* location to nearest property or lease line, ft. <b>183'</b> (Also to nearest drig. Unit line, if any)	16. No. of Acres in lease <b>640</b>	17. Spacing Unit dedicated to this well <b>80</b>
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>See Topo Man "C"</b>	19. Proposed Depth <b>5559'</b>	20. BLM/BIA Bond No. on file <b>Bond #4138336</b>
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>6208.6 FEET GRADED GROUND</b>	22. Approximate date work will start* <b>UPON APPROVAL</b>	23. Estimated duration <b>45 DAYS</b>

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature 	Name (Printed/Typed) <b>Ed Trotter</b>	Date <b>July 7, 2008</b>
Title <b>Agent</b>		
Approved by (Signature) 	Name (Printed/Typed) <b>BRADLEY G. HILL ENVIRONMENTAL MANAGER</b>	Date <b>09-09-09</b>
Title <b></b>	Office <b></b>	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of Approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Continued on page 2)

Federal Approval of this  
Action is Necessary

RECEIVED

JUL 30 2008

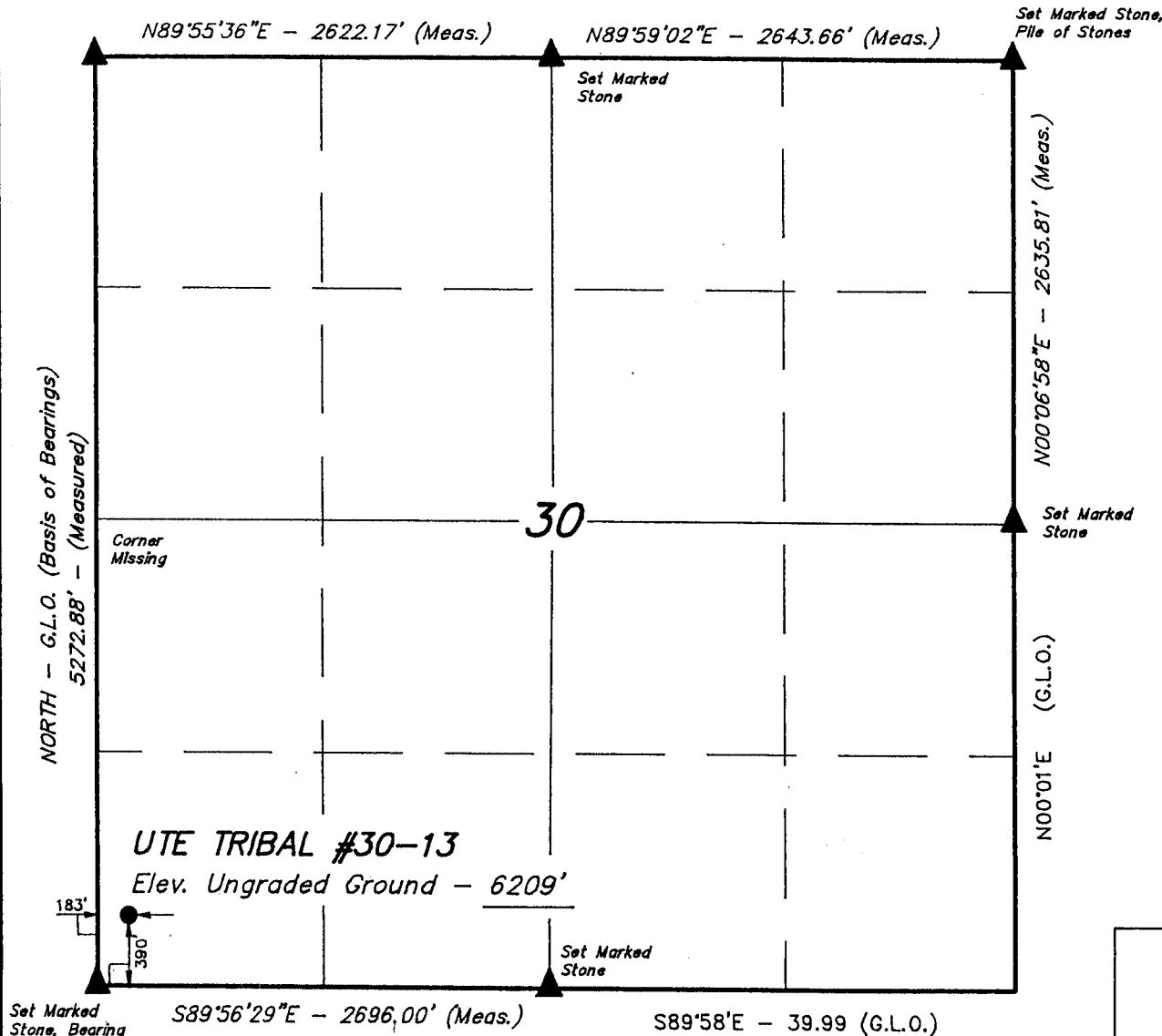
DIV. OF OIL, GAS & MINING

1 1/2" Galv. Cap  
Set Marked Stone,  
Steel Post & Pile  
of Stones

**T5S, R3W, U.S.B.&M.**

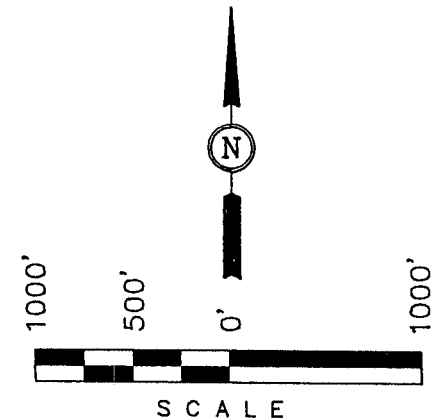
**PETROGLYPH OPERATING CO., INC.**

Well Location, UTE TRIBAL #30-13, located as shown in SW 1/4 SW 1/4 of Section 30, T5S, R3W, U.S.B.&M. Duchesne County, Utah.



**BASIS OF ELEVATION**

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 30, T5S, R3W, U.S.B.&M. TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6116 FEET.



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

NO. 161319  
ROBERT L. RAY  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 5-20-97	DATE DRAWN: 5-20-97
PARTY D.A. G.S. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE PETROGLYPH OPERATING CO., INC.	

**LEGEND:**

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

State of Utah  
Division of Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

August 28, 2009

Re: Application for Exception Well Location  
Proposed Ute Tribal 30-13  
Township 5 South, Range 3 West, U.S.B.&M.  
Section 30: SW/4SW/4  
Duchesne County, Utah

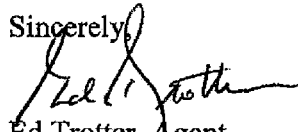
Due to topography, Petroglyph Operating Company Inc. (Petroglyph) respectfully requests administrative approval per R-649-3-3 to drill the Ute Tribal 30-13, a 5559' Green River test, at a location 390' FSL & 183' FWL, SW/4 SW/4, Section 30, Township 5 South, Range 3 West, U.S.B.&M., Duchesne County, Utah.

Petroglyph Operating Company Inc. holds 100% of the operating rights within a 460' radius of the requested well site.

Petroglyph respectfully requests the Division of Oil, Gas and Mining Administratively grant this application for the exceptional well location at its earliest opportunity so that drilling operations can resume.

Please direct further correspondence and approval to myself at P.O. Box 1910, Vernal, Utah 84078, or phone me at 435-789-4120

Sincerely,



Ed Trotter, Agent  
Petroglyph Operating Company Inc.

**Petroglyph Operating Co., Inc.**  
**P.O. Box 607**  
**Roosevelt, UT 84066**

July 7, 2008

Utah Division of Oil, Gas, & Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

RE: APPLICATION FOR PERMIT TO DRILL  
UTE TRIBAL 30-13  
SW/SW, SECTION 30, T5S, R3W  
DUCHESE COUNTY, UTAH  
LEASE NO. BIA 14-20-H62-3519  
UTE INDIAN TRIBAL LANDS

Enclosed please find a copy of the Application for Permit to Drill and associated attachments for the referenced well.

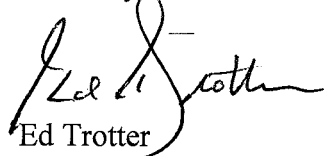
This permit was previously approved in August 1997, but expired. Thus, we are re-submitting this new application.

Please address further communication regarding this matter (including approval) to:

Ed Trotter  
P.O. Box 1910  
Vernal, UT 84078  
Phone: (435)789-4120  
Fax: (435)789-1420

Thank you for your attention to this matter.

Sincerely,



Ed Trotter  
Agent  
Petroglyph Operating Co., Inc.

Attachments

UDOGM-POCI

**RECEIVED**

**JUL 30 2008**

**DIV. OF OIL, GAS & MINING**

EIGHT POINT PLAN

UTE TRIBAL #30-13  
SW/SW, SEC. 30, T5S R3W  
DUCHESNE COUNTY, UTAH

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

FORMATIONS	DEPTH	SUBSEA
Mahogany Shale	2419	3800
"X" Marker	3954	2265
Douglas Creek	4102	2117
"B" Limestone	4474	1745
B/Castle Peak Limestone	5006	1213
Basal Carbonate Limestone	5449	770
Total Depth	5559	660

Anticipated BHP                      2000 psi

2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS FORMATIONS:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Oil/Gas	Douglas Creek	4102	2117
Oil/Gas	B/Castle Peak	5006	1213
Other mineral zones	N/A		

3. PRESSURE CONTROL EQUIPMENT : BOP Schematic Diagram attached.

4. CASING PROGRAM :

						<u>MINIMUM SAFETY FACTOR</u>		
<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>LENGTH</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>COLLAPSE</u>	<u>BURST</u>	<u>TENSILE</u>
12 1/4	0' - 250'	250'	8 5/8	24.0 #	J-55	1370 PSI	2950 PSI	263,000#
7 7/8	0' - 5559'	5559'	5 1/2	15.5 #	M-50	3650 PSI	4550 PSI	186,000#

All casing will be new or inspected.

EIGHT POINT PLAN

UTE TRIBAL #30-13  
SW/SW, SEC. 30, T5S R3W  
DUCHESNE COUNTY, UTAH

5. MUD PROGRAM

INTERVAL

0' - 250'  
250' - 4000'  
4000' - TD  
TD

MUD TYPE

Air  
Air/Mist & Aerated Water  
Air/3% KCL water or KCL substitute  
Gel/polyacrylamide polymer w/5-10% LCM

Sufficient mud inventory will be maintained on location during drilling to handle any adverse conditions that may arise.

6. VARIANCE REQUESTS:

- A. Petroglyph Operating Co., Inc. requests a variance to regulations requiring a straight run blooie line.
- B. Petroglyph Operating Co., Inc. requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.

7. EVALUATION PROGRAM:

Logs: Mud Logging	T.D. to base of surface csg.
Compensated Density-Compensated Neutron Log	T.D. to base of surface csg.
Dual Laterolog - Micro-SFL	T.D. to base of surface csg.
Numar (Magnetic Resonance Imaging Log)	@ Geologists discretion

Cores: None Programmed  
DST: None Programmed

Completion: To be submitted at a later date.

8. ABNORMAL CONDITIONS:

None anticipated.

EIGHT POINT PLAN

UTE TRIBAL #30-13  
SW/SW, SEC. 30, T5S R3W  
DUCHESNE COUNTY, UTAH

9. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

10. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

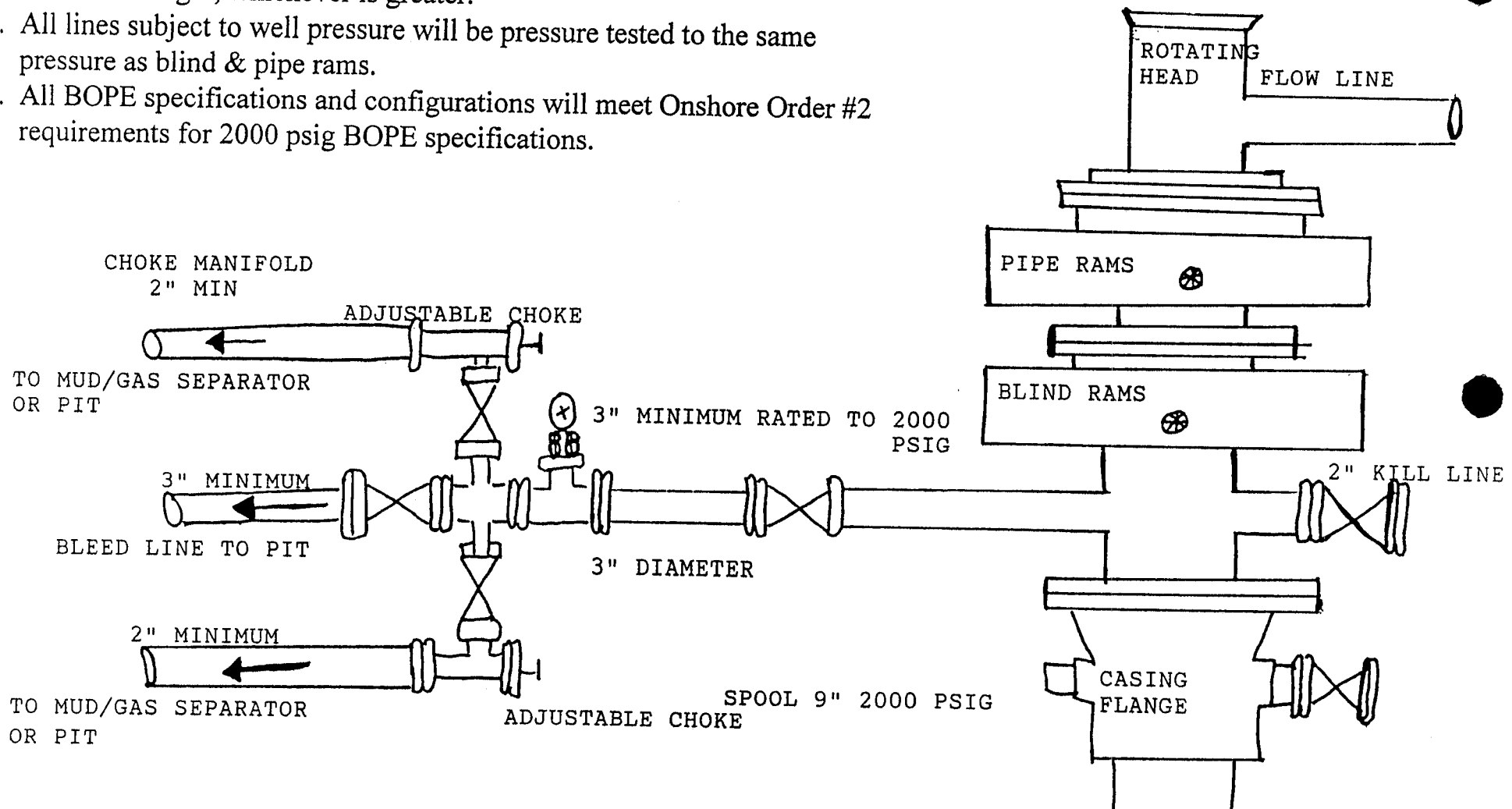
(Attachment: BOP Schematic Diagram)

## 2000 PSIG DIAGRAM

BOTH RAMS ARE 2000 PSIG RATED.  
CASING FLANGE IS 9" 2000 PSIG RATED.  
BOPE 9" 2000 PSIG

### TESTING PROCEDURE:

1. BOPE 's will be tested with a professional tester to conform to Onshore Order #2 with retest every 14 days.
2. Blind rams will be tested to rated working pressure, 2000 psig
3. Casing will be tested to 0.22 psi/ft. or 1500 psig. Not to exceed 70% of burst strength, whichever is greater.
4. All lines subject to well pressure will be pressure tested to the same pressure as blind & pipe rams.
5. All BOPE specifications and configurations will meet Onshore Order #2 requirements for 2000 psig BOPE specifications.





CONDITIONS OF APPROVAL  
FOR THE SURFACE USE PROGRAM OF THE  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Petroglyph Operating Co., Inc.  
Well Name & Number: Ute Tribal #30-13  
Lease Number: BIA 14-20-H62-3519  
Location: 390' FSL & 183' FWL SW/SW, Sec. 30, T5S R3W  
U.S.B.&M., Duchesne County, Utah  
Surface Ownership: Ute Indian Tribe

NOTIFICATION REQUIREMENTS

Location Construction - forty-eight (48) hours prior to construction of  
location and access roads.

Location Completion - prior to moving on the drilling rig.

Spud Notice - at least twenty-four (24) hours prior to spudding the  
well.

Casing String and  
Cementing - twenty-four (24) hours prior to running casing and  
cementing all casing strings.

BOP and related  
Equipment Tests - twenty-four (24) hours prior to running casing and  
tests.

First Production  
Notice - within five (5) business days after new well begins  
or production resumes after well has been off  
production for more than ninety (90) days.

For more specific details on notification requirements, please check the  
Conditions of Approval for Notice To Drill and Surface Use Program.

## THIRTEEN POINT SURFACE USE PROGRAM

### 1. EXISTING ROADS

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing road.
- B. The proposed well site is located approximately 20.1 miles southwest of Myton, Utah - See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

### 2. PLANNED ACCESS ROAD

- A. The access road will be approximately 200 feet in length. See attached TOPO Map "B".
- B. The access road has a 30 foot ROW w/18 foot running surface.
- C. Maximum grade on access road will be 8%
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges or major cuts & fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards or fences will be required or encountered.

New or reconstructed roads will be centerlined - flagged at time of location staking.

All travel will be confined to existing access road Right-of-Way.

Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service Publication: Surface Operating Standards For Oil & Gas Exploration and Development, (1989).

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, graveling, crowning, and capping the

roadbed as necessary to provide a well-constructed safe road.

Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot Right-of- Way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by run off water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, Petroglyph Operating Co., Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

3. LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS OF PROPOSED WELL LOCATION

- A. Water wells - 1\*
- B. Abandoned wells - 1\*
- C. Temporarily abandoned wells - None.
- D. Disposal wells - None.
- E. Drilling wells - None.
- F. Producing wells - 3\*
- G. Shut in wells - 1\*
- H. Injection wells - 1\*

(\*See attached TOPO map "C" for location)

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

A. ON WELL PAD

- 1. Tank batteries - None
- 2. Production facilities-To be submitted later
- 3. Oil gathering lines - None

4. Gas gathering lines-None
5. Injection lines - None
6. Disposal lines - None
7. Surface pits - None

**B. OFF WELL PAD**

1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
2. A 4 1/2" OD steel above ground production pipeline will be laid approximately 30' from proposed location to a point in the SW/SW of Section 30, T5S, R3W, where it will tie into Petroglyph Operating Co., Inc.'s existing pipeline. Proposed pipeline crosses Ute Tribe lands, thus a Right-of-Way grant will be required. See attached TOPO Map D showing pipeline route.
3. Proposed pipeline will be a 4 1/2" OD steel, welded line laid on the surface.
4. Protective measures and devices for livestock and wildlife will be taken and/or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

The production facilities will be placed on the Southwest side of the location.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities required will be painted within 6 months of installation. Facilities required to comply with O.S.H.A.

(Occupational Safety and Health Act) will be excluded.  
The required paint color is Desert Brown.

5. LOCATION & TYPE OF WATER SUPPLY

- A. Water supply will be from Target Trucking's Roosevelt Brine Storage and/or Target's water source in SE 1/4, Sec. 1, T 4S, R 5W Duchesne County, Utah (State water right #43-10152). All water will come from a non-depletable source.
- B. Water will be hauled by Target Trucking.
- C. No water well will be drilled on lease.

6. SOURCE OF CONSTRUCTION MATERIAL

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of location.
- B. All construction material will come from Ute Tribal Land.
- C. No mineral materials will be required.

7. METHODS OF HANDLING WASTE DISPOSAL

A. METHODS AND LOCATION

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at an approved waste disposal facility.
- 4. Produced waste water will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, together with the required water analysis, will be submitted for the AO's approval.

5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on drilling rig to avoid leakage of oil to pit.

B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in reserve pit or be removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to reserve pit will be avoided by flaring them off in flare pit at time of recovery.

Burning of trash will not be allowed. All trash must be contained in a trash cage and hauled away to an approved disposal site at the completion of the drilling activities.

On BIA administered land:

All reserve pits will be lined with either native clay, commercial bentonite or plastic sufficient to prevent seepage. (If a plastic nylon reinforced liner is used, it shall be torn and perforated after the pit dries and before backfilling of the reserve pit).

A 12 mill liner shall be installed in the reserve pit.

\_\_\_To protect the environment:

If the reserve pit is lined the operator will provide the BIA with a chemical analysis of the fluids in that pit no later than 90 days after the well completion to determine the method for final reclamation of the reserve pit. If the elemental concentrations shown by the chemical analysis exceeds the requirements described by part II, Standards of Quality for Waters of the State, Wastewater Disposal Regulations, State of Utah Division of Health, the contents and liner will be removed and disposed of at an authorized disposal site.

\_\_\_To protect the environment (without a chemical analysis)  
reserve pits will be constructed so as not to leak, break, or allow discharge of liquids.

\_\_\_Storage tanks will be used if drill sites are located on tribal

irrigable land, flood plains, or on lands under crop production. After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

#### 8. ANCILLARY FACILITIES

- A. No airstrips or camps are planned for this well.

#### 9. WELL SITE LAYOUT

- A. Refer to attached well site plat for related topography cuts and fills & cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation parking areas, and access road.

The reserve pit will be located on the Northeast side of the location.

The flare pit will be located downwind of the prevailing wind direction on the Northeast side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled topsoil will be stored on the South end.

Access to the well pad will be from the North.

N/A Diversion ditch(es) shall be constructed on the \_\_\_\_\_ side of the location (above/below) the cut slope, draining to the \_\_\_\_\_

N/A Soil compacted earthen berm(s) shall be placed on the \_\_\_\_\_ side(s) of the location between the \_\_\_\_\_

N/A The drainage(s) shall be diverted around the sides of the well pad location.

N/A The reserve pit and/or pad locations shall be constructed long and narrow for topographic reasons \_\_\_\_\_

X Corner No. 8 will be rounded off to minimize excavation.

## FENCING REQUIREMENTS

All pits will be fenced according to the following minimum standards:

- A. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16'.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BIA or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is to be regularly travelled. If the well is a producer, the cattleguards (shall/ shall not) be permanently mounted on concrete bases. Prior to a new road, crossing any fence located on federal land, or any fence between federal land and private land, the operator will contact the BIA, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to



satisfy himself/herself that the fence is adequately braced and tied off.

#### 10. PLANS FOR RESTORATION OF SURFACE

##### A. PRODUCING LOCATION

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion (weather permitting).

Before any dirt work takes place, the reserve pit will be completely dry and all cans, barrels, pipe, fluid, and hydrocarbons, will be removed.

Contact appropriate surface management agency for required seed mixture.

##### B. DRY HOLE/ABANDONED LOCATION

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and BIA will attach the appropriate surface rehabilitation conditions of approval.

##### ON BIA Administered lands:

Abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include: (a) reestablishing irrigation systems where applicable, (b) reestablishing soil conditions in irrigated fields in such a way as to ensure cultivation and harvesting of crops and, (c) ensuring revegetation of the disturbed areas to the specifications of the Ute Indian Tribe or the BIA at the time of abandonment.

11. SURFACE OWNERSHIP

Access road: Ute Indian Tribe

Location: Ute Indian Tribe

12. OTHER INFORMATION

- A. Petroglyph Operating Co., Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the AO. Within five working days the AO will inform the operator as to:  
-whether the materials appear eligible for the National Register of historic Places;

the mitigation measures the operator will likely have to undertake before the site can be used.

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, Petroglyph Operating Co., Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BIA,

or the appropriate County Extension Office. On BIA administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Tribal Lands after the conclusion of drilling operations or at any other time without BIA authorization. However, if BIA authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

On BIA administered land:

Operator's employees, including subcontractors, will not gather firewood along roads constructed by operators. If wood cutting is required, a permit will be obtained from the Forestry Department of the BIA pursuant to 25 CFR 169.13 "Assessed Damages Incident to Right-of-Way authorization". All operators, subcontractors, vendors, and their employees or agents may not disturb saleable timber (including firewood) without a duly granted wood permit from the BIA Forester.

If the surface rights are owned by the Ute Indian Tribe and mineral rights are owned by another entity, an approved right-of-way will be obtained from the BIA before the operator begins any construction activities. If the surface is owned by another entity and the mineral rights are owned by the Ute Indian Tribe, rights-of-way will be obtained from the other entity.

All roads constructed by operators on the Uintah and Ouray Indian Reservation will have appropriate signs. Signs will be neat and of sound construction. They will state: (a) that the land is owned by the Ute Indian Tribe, (b) the name of the operator, (c) that firearms are prohibited to all non-Ute Tribal members (d) that permits must be obtained from the BIA before cutting firewood or other timber products, and (e) only authorized personnel permitted. All well site locations on the Uintah and Ouray Indian Reservation will have an appropriate sign indicating the name of the operator,

the lease serial number, the well name and number, the survey description of the well (either footage or the quarter-quarter section, the section, township, and range).

14. **Additional Surface Stipulations**

None

**LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION**

**PERMITTING**

Ed Trotter  
P.O. Box 1910  
Vernal, UT 84078  
Telephone: (435)789-4120  
Fax: (435)789-1420

**OPERATIONS**

Steve Wall  
P.O. Box 607  
Roosevelt, UT 84066  
(435)722-2531  
(435)722-9145

All lease or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approval plan of operations, and any applicable Notice to Lessees. Petroglyph Operating Co., Inc. is fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

A copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The BIA office shall be notified upon site completion prior to moving on the drilling rig.

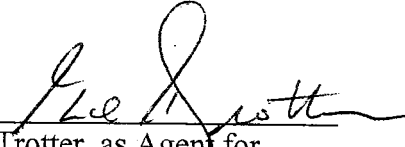
**Certification**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions that presently exist; that the statements made in the Plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Petroglyph Operating Co., Inc. and its contractors and subcontractors in conformity with this Plan and the terms and conditions under which it is approved.

Please be advised that Petroglyph Operating Co., Inc. is considered to be the operator of the **UTE TRIBAL 30-13 Well, located in the SW/SW of Section 30, T5S, R3W, Duchesne County, Utah; Lease #14-20-H62-3519;** and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is provided under Bond #4138336.

7-7-2008

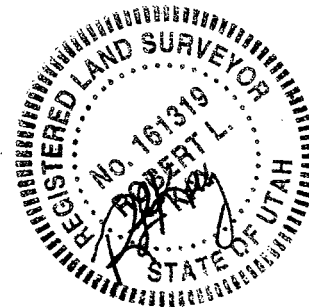
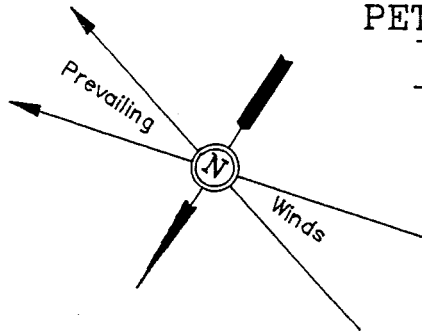
Date

  
Ed Trotter, as Agent for  
Petroglyph Operating Co., Inc.

# PETROGLYPH OPERATING CO., INC.

## LOCATION LAYOUT FOR

UTE TRIBAL #30-13  
SECTION 30, T5S, R3W, U.S.B.&M.  
390' FSL 183' FWL



SCALE: 1" = 50'  
DATE: 5-30-97  
Drawn By: C.B.T.

### NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.

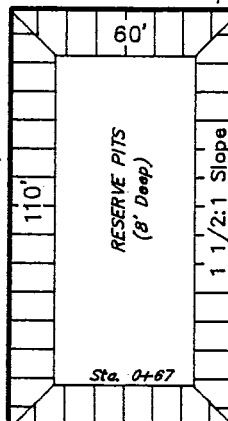
FLARE PIT



El. 09.6'  
**C-9.0'**  
(btm. pit)

**F-0.6'**  
El. 08.0'

NOTE:  
Pit Capacity W/2' of Freeboard is ±4,600 Bbls.

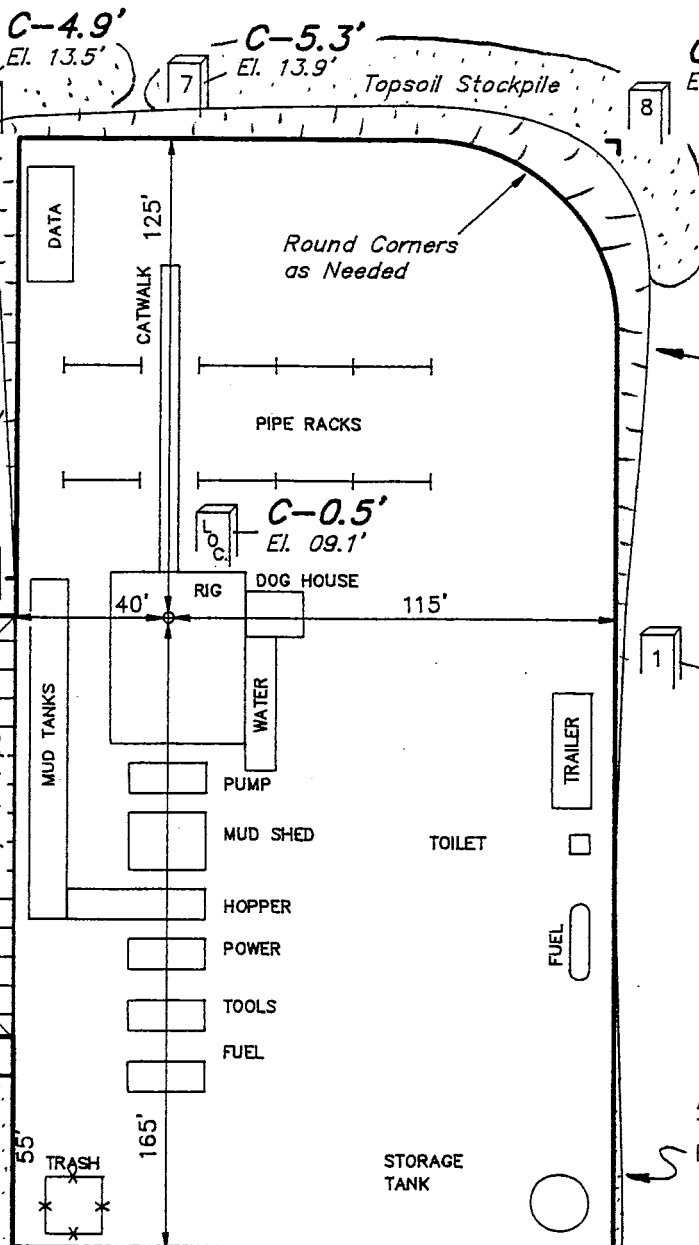


El. 06.6'  
**C-6.0'**  
(btm. pit)

El. 06.5'  
**F-2.1'**

Reserve Pit Backfill & Spoils Stockpile

El. 05.5'  
**F-3.1'**



**C-8.5'**  
El. 17.1'

Sta. 2+90

Sta. 1+65

**C-1.4'**  
El. 10.0'

Approx. Toe of Fill Slope

Sta. 0+00

**F-2.1'**  
El. 06.5'

**F-2.6'**  
El. 06.0'

Elev. Ungraded Ground at Location Stake = 6209.1'

Elev. Graded Ground at Location Stake = 6208.6'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (801) 789-1017

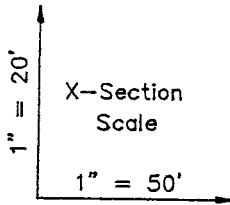
# PETROGLYPH OPERATING CO., INC.

## TYPICAL CROSS SECTIONS FOR

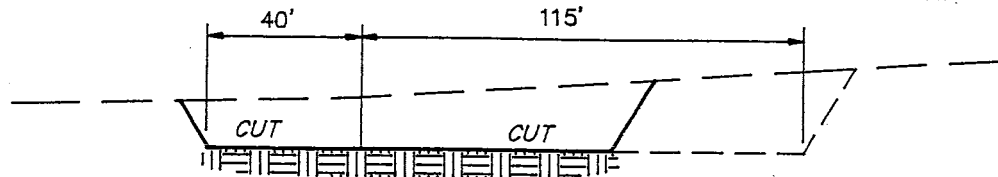
UTE TRIBAL #30-13

SECTION 30, T5S, R3W, U.S.B.&M.

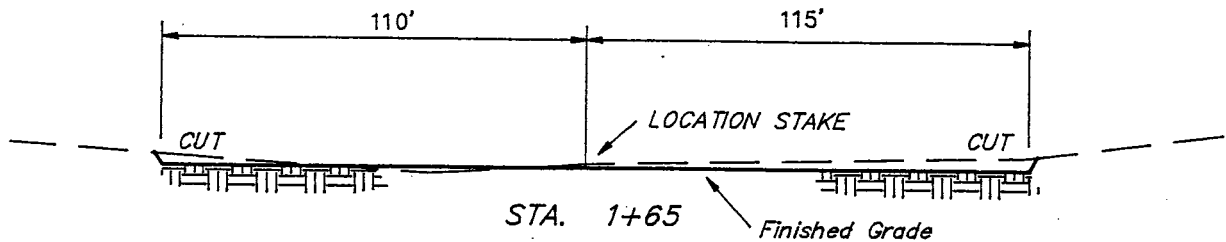
390' FSL 183' FWL



DATE: 5-30-97  
Drawn By: C.B.T.

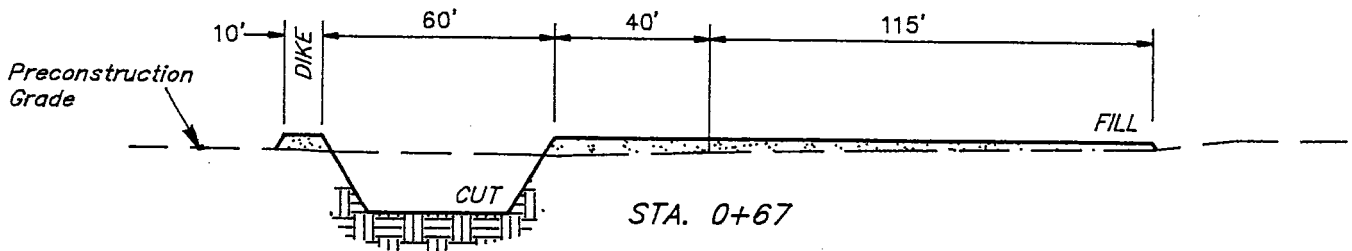


STA. 2+90

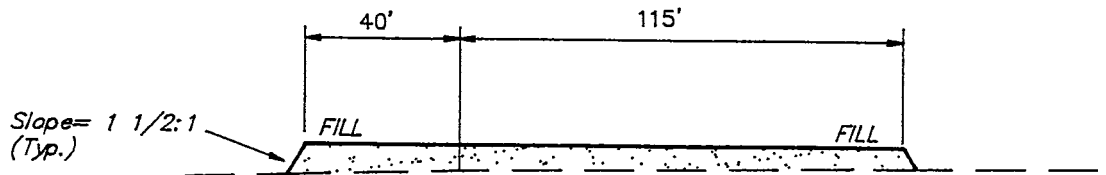


STA. 1+65

Finished Grade



STA. 0+67



STA. 0+00

### NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

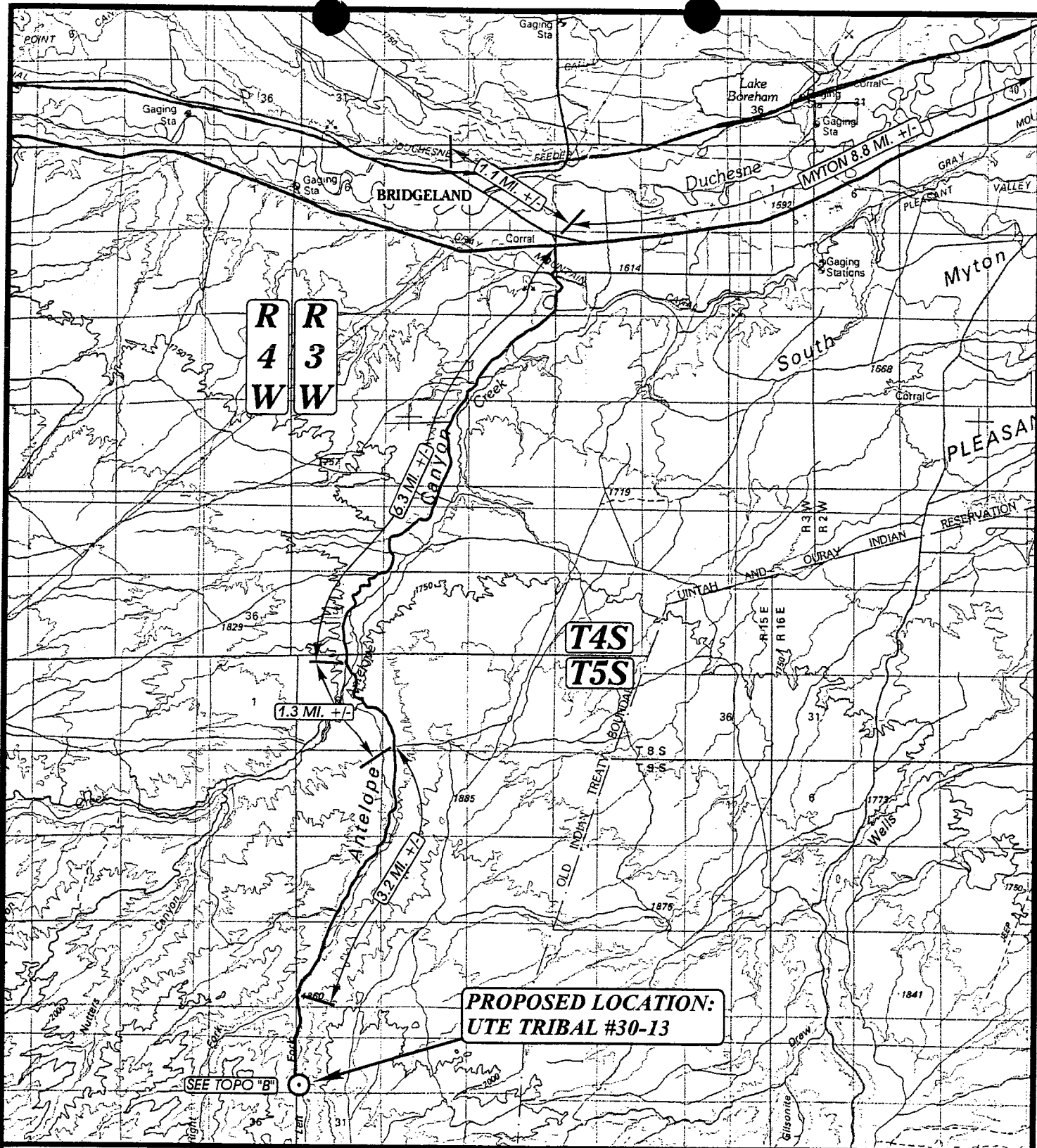
### APPROXIMATE YARDAGES

(12") Topsoil Stripping	= 1,910 Cu. Yds.
Remaining Location	= 3,130 Cu. Yds.
TOTAL CUT	= 5,040 CU.YDS.
FILL	= 2,090 CU.YDS.

### EXCESS MATERIAL AFTER

5% COMPACTION	= 2,840 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,610 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 230 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING  
86 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



# LEGEND:

○ PROPOSED LOCATION

N

PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #30-13

SECTION 30, T5S, R3W, U.S.B.&M.

390' FSL 183' FWL



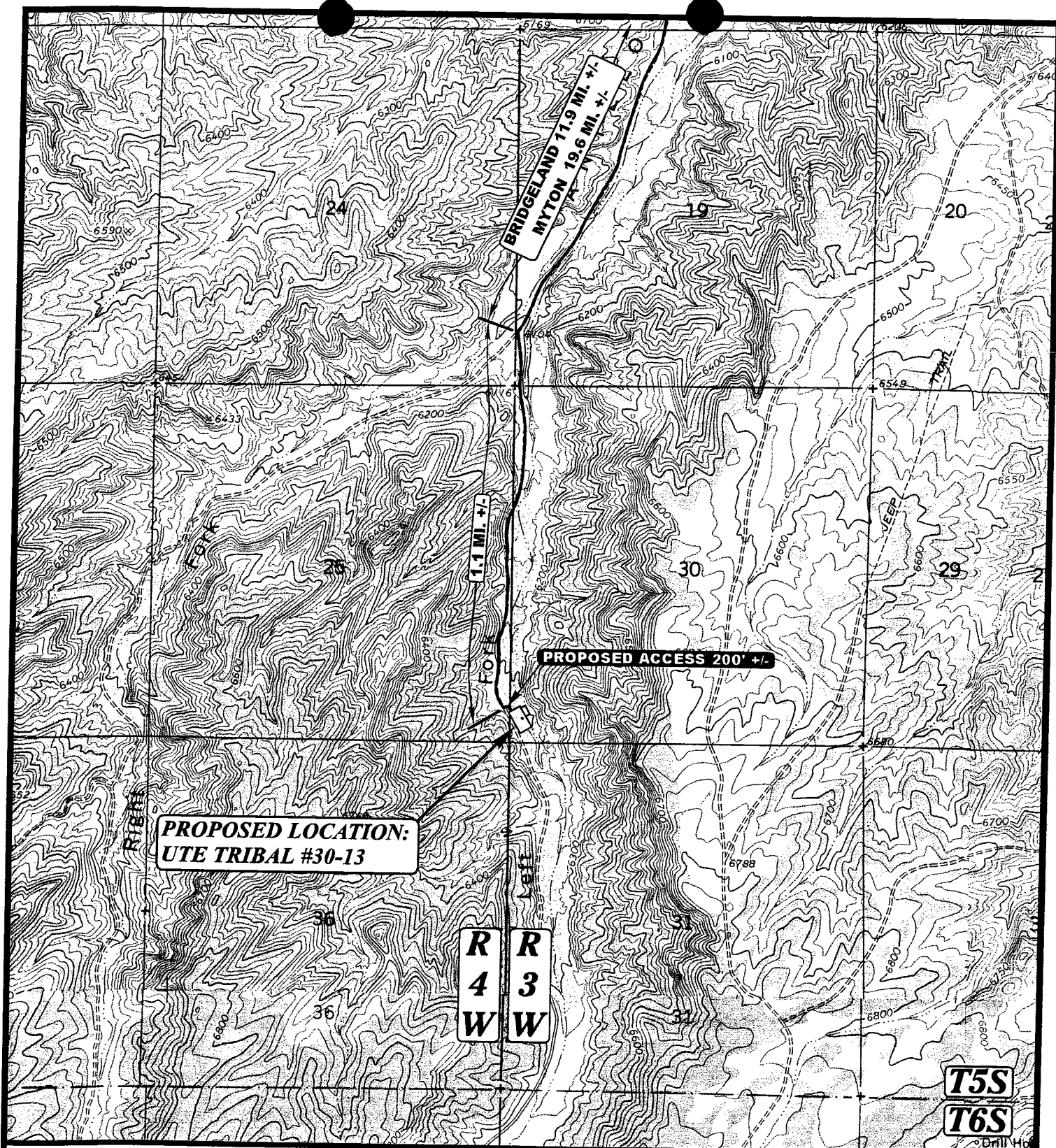
Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (801) 789-1017 \* FAX (801) 789-1018  
 Email: uels@easilink.com

TOPOGRAPHIC  
 MAP

5 22 97  
 MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: D.COX REVISED: 00-00-00

A  
 TOPO



# **LEGEND:**

--- PROPOSED ACCESS ROAD  
 — EXISTING ROAD



**PETROGLYPH OPERATING CO., INC.**

**UTE TRIBAL #30-13**  
**SECTION 30, T5S, R3W, U.S.B.&M.**  
**390' FSL 183' FWL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (801) 789-1017 \* FAX (801) 789-1018  
 Email: uels@easilink.com

**TOPOGRAPHIC**  
**MAP**

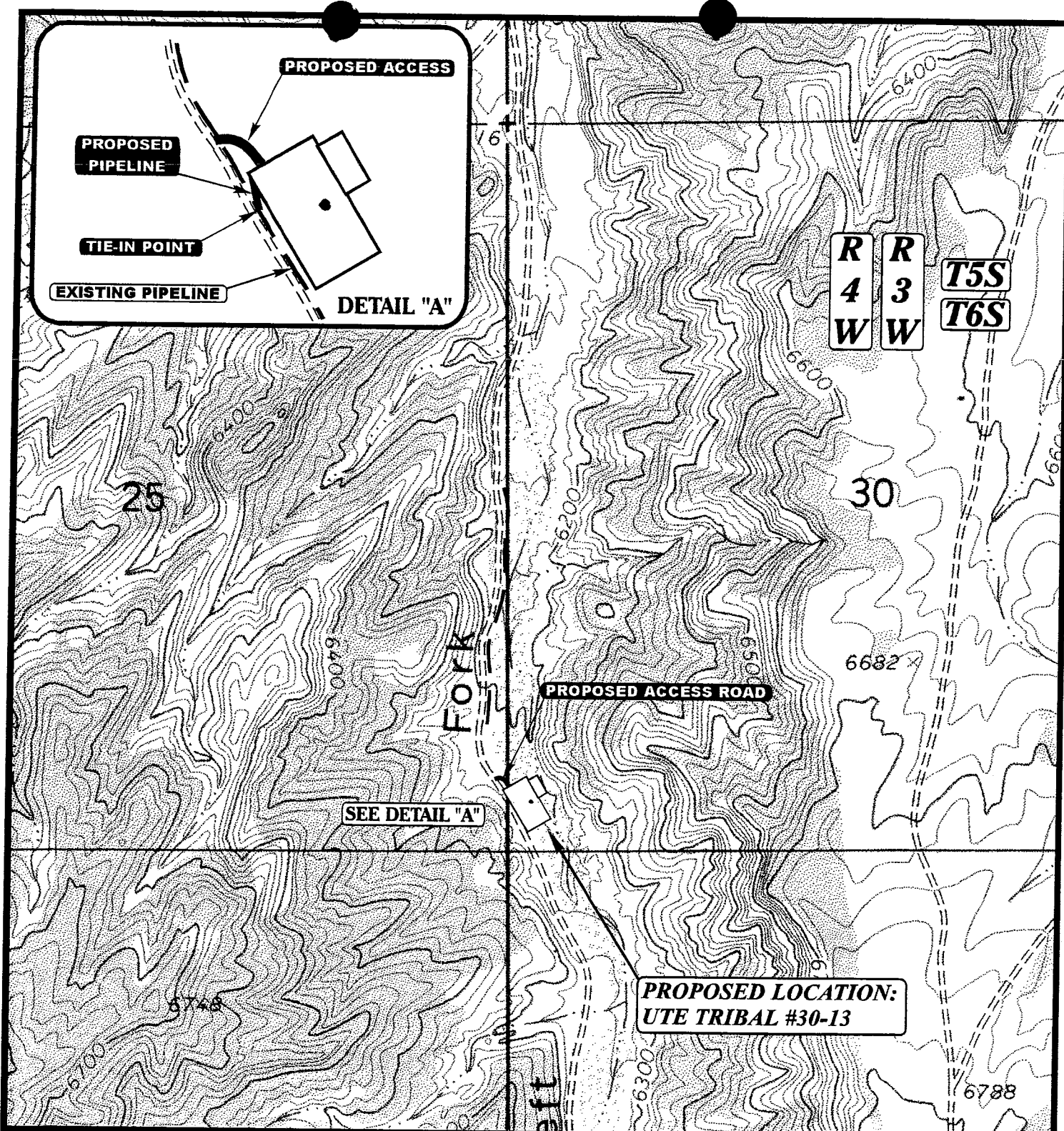
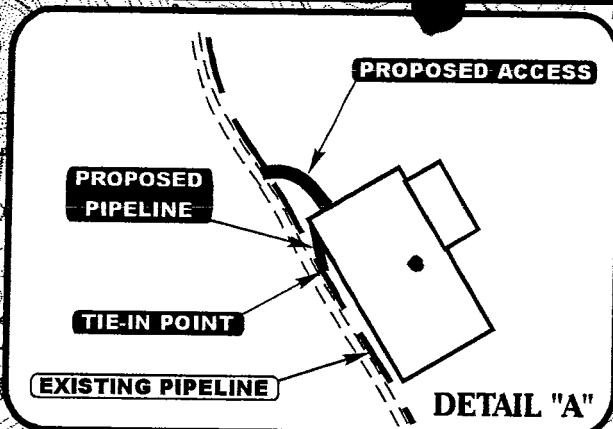
**5 22 97**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: D.COX REVISED: 00-00-00

**T5S**  
**T6S**

**B**  
**TOPO**





**APPROXIMATE TOTAL PIPELINE DISTANCE = 30' +/-**

**LEGEND:**

- EXISTING PIPELINE
- - - PROPOSED PIPELINE
- PROPOSED ACCESS



**PETROGLYPH OPERATING CO., INC.**

**UTE TRIBAL #30-13**  
**SECTION 30, T5S, R3W, U.S.B.&M.**  
**390' FSL 183' FWL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (801) 789-1017 \* FAX (801) 789-1018  
 Email: uels@easilink.com

**TOPOGRAPHIC**  
**MAP**

**5 22 97**  
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: D.COX REVISED: 00-00-00



**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 07/30/2008

API NO. ASSIGNED: 43-013-34054

WELL NAME: UTE TRIBAL 30-13

OPERATOR: PETROGLYPH OPERATING CO ( N3800 )

CONTACT: ED TROTTER

PHONE NUMBER: 435-722-1325

PROPOSED LOCATION:

SWSW 30 050S 030W

SURFACE: 0390 FSL 0183 FWL

BOTTOM: 0390 FSL 0183 FWL

COUNTY: DUCHESNE

LATITUDE: 40.01150 LONGITUDE: -110.2736

UTM SURF EASTINGS: 562001 NORTHINGS: 4429076

FIELD NAME: ANTELOPE CREEK ( 60 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 2 - Indian

LEASE NUMBER: 14-20-H62-3519

SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: CSLPK

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[] Ind[2] Sta[] Fee[]  
(No. 4138336 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 43-10152 )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

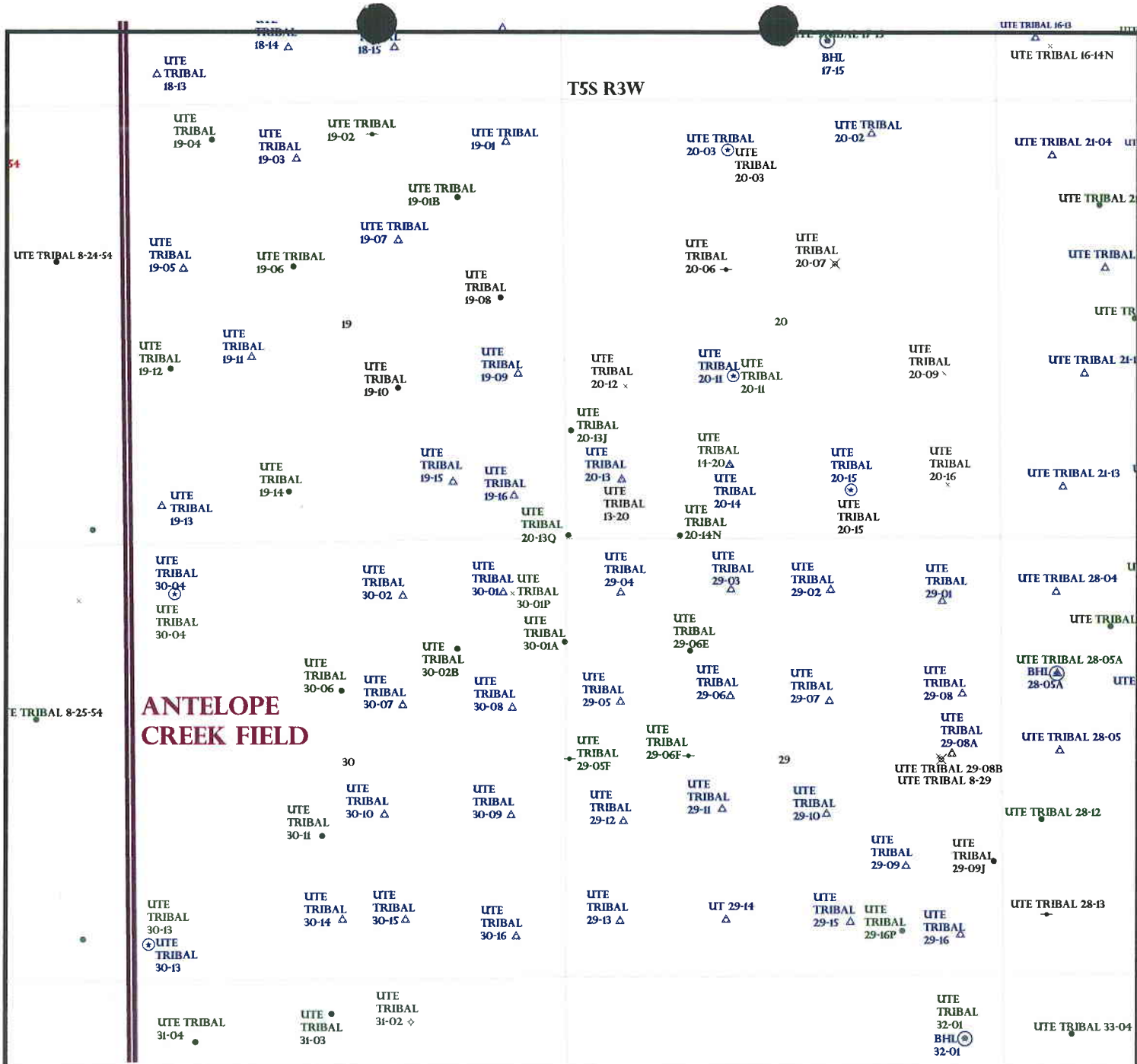
LOCATION AND SITING:

\_\_\_ R649-2-3.  
Unit: \_\_\_\_\_  
\_\_\_ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
☒ R649-3-3. Exception  
\_\_\_ Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_  
\_\_\_ R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

1- Federal Approval  
2- Spacing Step



OPERATOR: PETROGLYPH OPER (N3800)

SEC: 30 T.5S R. 3W

FIELD: ANTELOPE (60)

COUNTY: DUCHESNE

SPACING: R649-3-3 / EXCEPTION LOCATION

**Field Status**

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

**Unit Status**

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

**Wells Status**

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



PREPARED BY: DIANA MASON  
DATE: 31-JULY-2008

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 07/30/2008

API NO. ASSIGNED: 43-013-34054

WELL NAME: UTE TRIBAL 30-13

OPERATOR: PETROGLYPH OPERATING CO ( N3800 )

CONTACT: ED TROTTER

PHONE NUMBER: 435-722-1325

PROPOSED LOCATION:

SWSW 30 050S 030W

SURFACE: 0390 FSL 0183 FWL

BOTTOM: 0364 FSL 0649 FWL

COUNTY: DUCHESNE

LATITUDE: 40.01150 LONGITUDE: -110.27355

UTM SURF EASTINGS: 562001 NORTHINGS: 4429076

FIELD NAME: ANTELOPE CREEK ( 60 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 2 - Indian

LEASE NUMBER: 14-20-H62-3519

SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: CSLPK

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

\_\_\_\_ Plat

\_\_\_\_ Bond: Fed[] Ind[2] Sta[] Fee[]  
(No. 4138336 )

\_\_\_\_ Potash (Y/N)

\_\_\_\_ Oil Shale 190-5 (B) or 190-3 or 190-13

\_\_\_\_ Water Permit  
(No. 43-10152 )

\_\_\_\_ RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )

\_\_\_\_ Fee Surf Agreement (Y/N)

\_\_\_\_ Intent to Commingle (Y/N)

LOCATION AND SITING:

\_\_\_\_ R649-2-3.

Unit: \_\_\_\_\_

\_\_\_\_ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

\_\_\_\_ R649-3-3. Exception

\_\_\_\_ Drilling Unit

Board Cause No: \_\_\_\_\_

Eff Date: \_\_\_\_\_

Siting: \_\_\_\_\_

\_\_\_\_ R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

September 9, 2009

Petroglyph Operating Co., Inc.  
P O Box 607  
Roosevelt, UT 84066

Re: Ute Tribal 30-13 Well, 390' FSL, 183' FWL, SW SW, Sec. 30, T. 5 South, R. 3 West,  
Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-34054.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal Office

**Operator:** Petroglyph Operating Co., Inc.  
**Well Name & Number** Ute Tribal 30-13  
**API Number:** 43-013-34054  
**Lease:** 14-20-H62-3519

**Location:** SW SW                      **Sec.** 30                      **T.** 5 South                      **R.** 3 West

### **Conditions of Approval**

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281    (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-3519
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO., INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE INDIAN TRIBE
3. ADDRESS OF OPERATOR: P.O. BOX 607 CITY ROOSEVELT STATE UT ZIP 84066		7. UNIT or CA AGREEMENT NAME: UTE TRIBAL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 390' FSL, 183' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 30 5S 3W U		8. WELL NAME and NUMBER: UTE TRIBAL 30-13
PHONE NUMBER: (435) 722-2531		9. API NUMBER: 4301334054
		10. FIELD AND POOL, OR WILDCAT: ANTELOPE CREEK

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 11/27/2009	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The APD for this well was approved September 9, 2009. Due to topography, this well will be directionally drilled to a legally spaced bottom hole location at the producing formation. The bottom hole will be located at: 364' FSL, 649' FWL, SWSW, Section 30, T5S, R3W, U.S.B.&M. The corresponding 8-point plan reflecting this change is attached

COPY SENT TO OPERATOR

Date: 2-11-2010

Initials: KS

562143X  
4429068Y

40. 011415  
- 40. 271888  
Approved by the  
Utah Division of  
Oil, Gas and Mining

RECEIVED

DEC 14 2009

DIV. OF OIL, GAS & MINING

Date: 02-04-10

NAME (PLEASE PRINT) Ed Trotter

By: [Signature] Agent

SIGNATURE

DATE

11/23/2009

(This space for State use only)

T5S, R3W, U.S.B.&M.

PETROGLYPH OPERATING CO., INC.

Well Location, UTE TRIBAL #30-13, located as shown in SW 1/4 SW 1/4 of Section 30, T5S, R3W, U.S.B.&M. Duchesne County, Utah.

### BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 30, T5S, R3W, U.S.B.&M. TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6116 FEET.

RECEIVED

DEC 14 2009

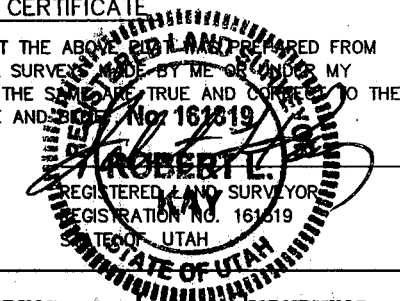
DIV. OF OIL, GAS & MINING



SCALE

### CERTIFICATE

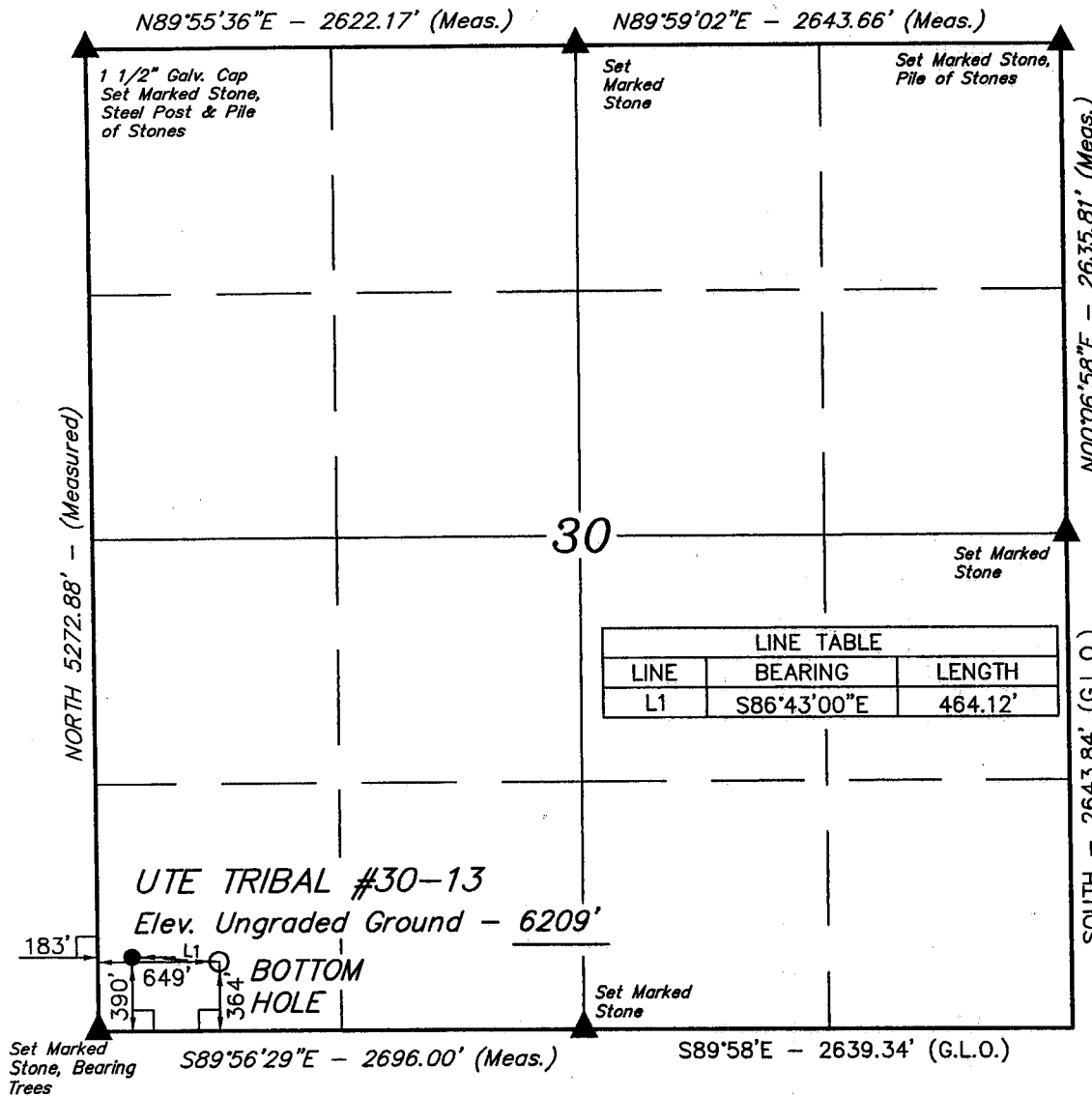
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REVISED: 11-09-09 L.K.

**UINTAH ENGINEERING & LAND SURVEYING**  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 5-20-97	DATE DRAWN: 5-20-97
PARTY D.A. G.S. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE PETROGLYPH OPERATING CO., INC.	



### BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

### LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°00'41.19" (40.011442)	LATITUDE = 40°00'41.19" (40.011442)
LONGITUDE = 110°16'21.61" (110.272689)	LONGITUDE = 110°16'27.69" (110.274358)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°00'41.33" (40.011481)	LATITUDE = 40°00'41.33" (40.011481)
LONGITUDE = 110°16'19.06" (110.271961)	LONGITUDE = 110°16'25.14" (110.273650)

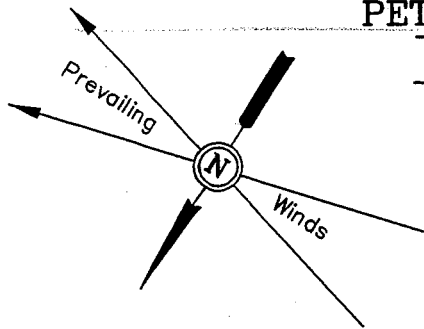


# PETROGLYPH OPERATING CO., INC.

FIGURE #1

## LOCATION LAYOUT FOR

UTE TRIBAL #30-13  
SECTION 30, T5S, R3W, U.S.B.&M.  
390' FSL 183' FWL



SCALE: 1" = 50'  
DATE: 5-30-97  
Drawn By: C.B.T.  
REVISED: 11-09-09 L.K.

### NOTE:

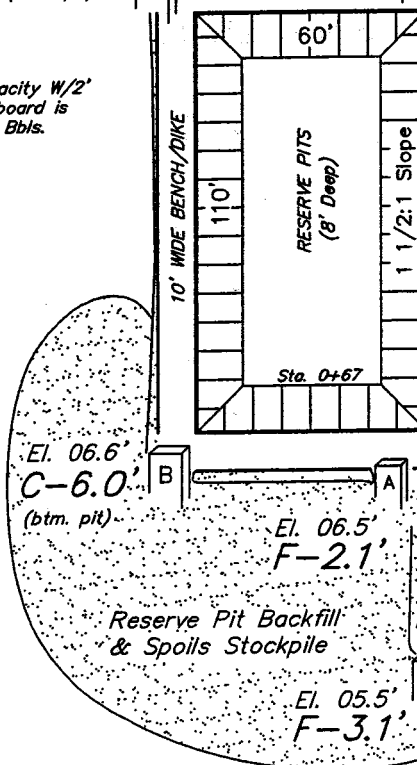
Flare Pit is to be located a min. of 100' from the Well Head.

FLARE PIT



El. 09.6'  
C-9.0'  
(btm. pit)

NOTE:  
Pit Capacity W/2' of Freeboard is ±4,600 Bbls.



C-8.5'  
El. 17.1'

Sta. 2+90

Approx. Top of Cut Slope

C-1.4'  
El. 10.0'

Sta. 1+65

S86°43'00"E - 464.12'  
(To Bottom Hole)

RECEIVED  
DEC 14 2009

DIV. OF OIL, GAS & MINING

Sta. 0+00

F-2.1'  
El. 06.5'

Approx. Toe of Fill Slope

Proposed Access Road

Elev. Ungraded Ground at Location Stake = 6209.1'

Elev. Graded Ground at Location Stake = 6208.6'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (801) 789-1017

# **Petroglyph Energy, Inc.**

**Duchesne Co., UT**

**Sec.30-T5S-R3W**

**UTE TRIBAL #30-13**

**Wellbore #1**

**Plan: Plan #1**

## **Pathfinder Planning Report**

**26 October, 2009**

**RECEIVED**

**DEC 14 2009**

**DIV. OF OIL, GAS & MINING**

# **PATHFINDER**

**Pathfinder Energy Services**  
Planning Report



**Database:** EDM 2003.16 Single User Db  
**Company:** Petroglyph Energy, Inc.  
**Project:** Duchesne Co., UT  
**Site:** Sec.30-T5S-R3W  
**Well:** UTE TRIBAL #30-13  
**Wellbore:** Wellbore #1  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well UTE TRIBAL #30-13  
**TVD Reference:** WELL @ 6219.0ft (Original Well Elev)  
**MD Reference:** WELL @ 6219.0ft (Original Well Elev)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

<b>Project</b>	Duchesne Co., UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

Site	Sec.30-T5S-R3W				
Site Position:		Northing:	7,176,824.05 ft	Latitude:	40° 0' 56.810 N
From:	Lat/Long	Easting:	1,983,705.97 ft	Longitude:	110° 16' 27.270 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.79 °

Well	UTE TRIBAL #30-13					
Well Position	+N/-S	0.0 ft	Northing:	7,175,243.30 ft	Latitude:	40° 0' 41.190 N
	+E/-W	0.0 ft	Easting:	1,983,694.95 ft	Longitude:	110° 16' 27.690 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,209.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	10/26/2009	11.59	65.78	52,409

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	5,559.0	0.0	0.0	90.00

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,056.6	5.71	90.00	1,055.9	0.0	22.7	1.25	1.25	0.00	90.00	
4,015.4	5.71	90.00	4,000.0	0.0	317.0	0.00	0.00	0.00	0.00	Target #1 - #30-13
5,582.2	5.71	90.00	5,559.0	0.0	472.8	0.00	0.00	0.00	0.00	PBHL UTE TRIBAL #

**RECEIVED**

**DEC 14 2009**

DIV. OF OIL, GAS & MINING

**Pathfinder Energy Services**  
Planning Report



**Database:** EDM 2003.16 Single User Db  
**Company:** Petroglyph Energy, Inc.  
**Project:** Duchesne Co., UT  
**Site:** Sec.30-T5S-R3W  
**Well:** UTE TRIBAL #30-13  
**Wellbore:** Wellbore #1  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well UTE TRIBAL #30-13  
**TVD Reference:** WELL @ 6219.0ft (Original Well Elev)  
**MD Reference:** WELL @ 6219.0ft (Original Well Elev)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

**RECEIVED**

**DEC 14 2009**

**Planned Survey**

DIV. OF OIL, GAS & MINING

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
<b>KOP / Start Build 1.25°</b>									
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.25	90.00	700.0	0.0	1.1	1.1	1.25	1.25	0.00
800.0	2.50	90.00	799.9	0.0	4.4	4.4	1.25	1.25	0.00
900.0	3.75	90.00	899.8	0.0	9.8	9.8	1.25	1.25	0.00
1,000.0	5.00	90.00	999.5	0.0	17.4	17.4	1.25	1.25	0.00
<b>Start 2958.8 hold at 1056.6 MD</b>									
1,056.6	5.71	90.00	1,055.9	0.0	22.7	22.7	1.25	1.25	0.00
1,100.0	5.71	90.00	1,099.0	0.0	27.0	27.0	0.00	0.00	0.00
1,200.0	5.71	90.00	1,198.5	0.0	37.0	37.0	0.00	0.00	0.00
1,300.0	5.71	90.00	1,298.0	0.0	46.9	46.9	0.00	0.00	0.00
1,400.0	5.71	90.00	1,397.5	0.0	56.9	56.9	0.00	0.00	0.00
1,500.0	5.71	90.00	1,497.0	0.0	66.8	66.8	0.00	0.00	0.00
1,600.0	5.71	90.00	1,596.6	0.0	76.8	76.8	0.00	0.00	0.00
1,700.0	5.71	90.00	1,696.1	0.0	86.7	86.7	0.00	0.00	0.00
1,800.0	5.71	90.00	1,795.6	0.0	96.7	96.7	0.00	0.00	0.00
1,900.0	5.71	90.00	1,895.1	0.0	106.6	106.6	0.00	0.00	0.00
2,000.0	5.71	90.00	1,994.6	0.0	116.6	116.6	0.00	0.00	0.00
2,100.0	5.71	90.00	2,094.1	0.0	126.5	126.5	0.00	0.00	0.00
2,200.0	5.71	90.00	2,193.6	0.0	136.4	136.4	0.00	0.00	0.00
2,300.0	5.71	90.00	2,293.1	0.0	146.4	146.4	0.00	0.00	0.00
2,400.0	5.71	90.00	2,392.6	0.0	156.3	156.3	0.00	0.00	0.00
2,500.0	5.71	90.00	2,492.1	0.0	166.3	166.3	0.00	0.00	0.00
2,600.0	5.71	90.00	2,591.6	0.0	176.2	176.2	0.00	0.00	0.00
2,700.0	5.71	90.00	2,691.1	0.0	186.2	186.2	0.00	0.00	0.00
2,800.0	5.71	90.00	2,790.6	0.0	196.1	196.1	0.00	0.00	0.00
2,900.0	5.71	90.00	2,890.1	0.0	206.1	206.1	0.00	0.00	0.00
3,000.0	5.71	90.00	2,989.6	0.0	216.0	216.0	0.00	0.00	0.00
3,100.0	5.71	90.00	3,089.1	0.0	226.0	226.0	0.00	0.00	0.00
3,200.0	5.71	90.00	3,188.6	0.0	235.9	235.9	0.00	0.00	0.00
3,300.0	5.71	90.00	3,288.1	0.0	245.8	245.8	0.00	0.00	0.00
3,400.0	5.71	90.00	3,387.6	0.0	255.8	255.8	0.00	0.00	0.00
3,500.0	5.71	90.00	3,487.1	0.0	265.7	265.7	0.00	0.00	0.00
3,600.0	5.71	90.00	3,586.6	0.0	275.7	275.7	0.00	0.00	0.00
3,700.0	5.71	90.00	3,686.1	0.0	285.6	285.6	0.00	0.00	0.00
3,800.0	5.71	90.00	3,785.6	0.0	295.6	295.6	0.00	0.00	0.00
3,900.0	5.71	90.00	3,885.1	0.0	305.5	305.5	0.00	0.00	0.00
4,000.0	5.71	90.00	3,984.7	0.0	315.5	315.5	0.00	0.00	0.00
<b>Start 1566.8 hold at 4015.4 MD - Target #1 - #30-13</b>									
4,015.4	5.71	90.00	4,000.0	0.0	317.0	317.0	0.00	0.00	0.00
4,100.0	5.71	90.00	4,084.2	0.0	325.4	325.4	0.00	0.00	0.00
4,200.0	5.71	90.00	4,183.7	0.0	335.4	335.4	0.00	0.00	0.00
4,300.0	5.71	90.00	4,283.2	0.0	345.3	345.3	0.00	0.00	0.00
4,400.0	5.71	90.00	4,382.7	0.0	355.2	355.2	0.00	0.00	0.00
4,500.0	5.71	90.00	4,482.2	0.0	365.2	365.2	0.00	0.00	0.00
4,600.0	5.71	90.00	4,581.7	0.0	375.1	375.1	0.00	0.00	0.00
4,700.0	5.71	90.00	4,681.2	0.0	385.1	385.1	0.00	0.00	0.00
4,800.0	5.71	90.00	4,780.7	0.0	395.0	395.0	0.00	0.00	0.00
4,900.0	5.71	90.00	4,880.2	0.0	405.0	405.0	0.00	0.00	0.00
5,000.0	5.71	90.00	4,979.7	0.0	414.9	414.9	0.00	0.00	0.00
5,100.0	5.71	90.00	5,079.2	0.0	424.9	424.9	0.00	0.00	0.00
5,200.0	5.71	90.00	5,178.7	0.0	434.8	434.8	0.00	0.00	0.00
5,300.0	5.71	90.00	5,278.2	0.0	444.8	444.8	0.00	0.00	0.00

**Pathfinder Energy Services**  
Planning Report



**Database:** EDM 2003.16 Single User Db  
**Company:** Petroglyph Energy, Inc.  
**Project:** Duchesne Co., UT  
**Site:** Sec.30-T5S-R3W  
**Well:** UTE TRIBAL #30-13  
**Wellbore:** Wellbore #1  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well UTE TRIBAL #30-13  
**TVD Reference:** WELL @ 6219.0ft (Original Well Elev)  
**MD Reference:** WELL @ 6219.0ft (Original Well Elev)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

**Planned Survey**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,400.0	5.71	90.00	5,377.7	0.0	454.7	454.7	0.00	0.00	0.00
5,500.0	5.71	90.00	5,477.2	0.0	464.7	464.7	0.00	0.00	0.00
<b>TD at 5582.2 - PBHL UTE TRIBAL #30-13</b>									
5,582.2	5.71	90.00	5,559.0	0.0	472.8	472.8	0.00	0.00	0.00

**Targets**

**Target Name**

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Target #1 - #30-13 - plan hits target - Point	0.00	0.00	4,000.0	0.0	317.0	7,175,247.64	1,984,011.92	40° 0' 41.190 N	110° 16' 23.616 W
PBHL UTE TRIBAL #30- - plan hits target - Point	0.00	0.00	5,559.0	0.0	472.8	7,175,249.78	1,984,167.71	40° 0' 41.190 N	110° 16' 21.613 W

**Plan Annotations**

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
600.0	600.0	0.0	0.0	KOP / Start Build 1.25°
1,056.6	1,055.9	0.0	22.7	Start 2958.8 hold at 1056.6 MD
4,015.4	4,000.0	0.0	317.0	Start 1566.8 hold at 4015.4 MD
5,582.2	5,559.0	0.0	472.8	TD at 5582.2

**RECEIVED**

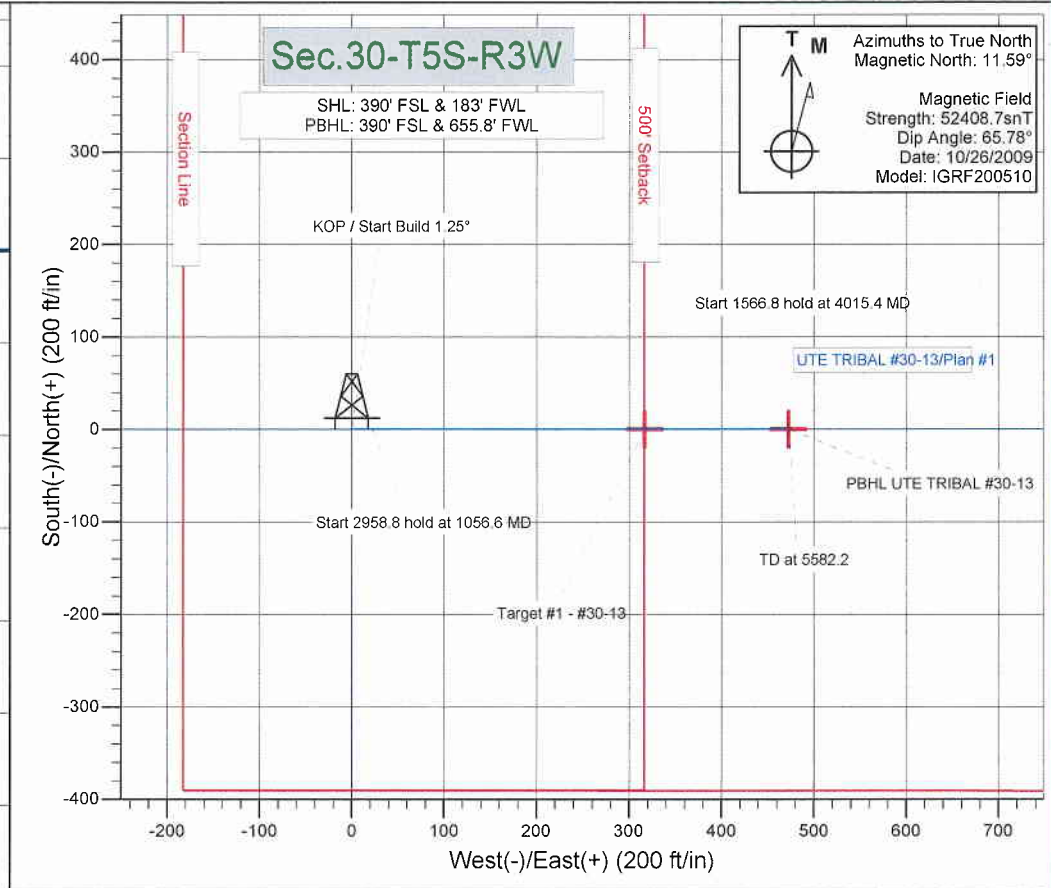
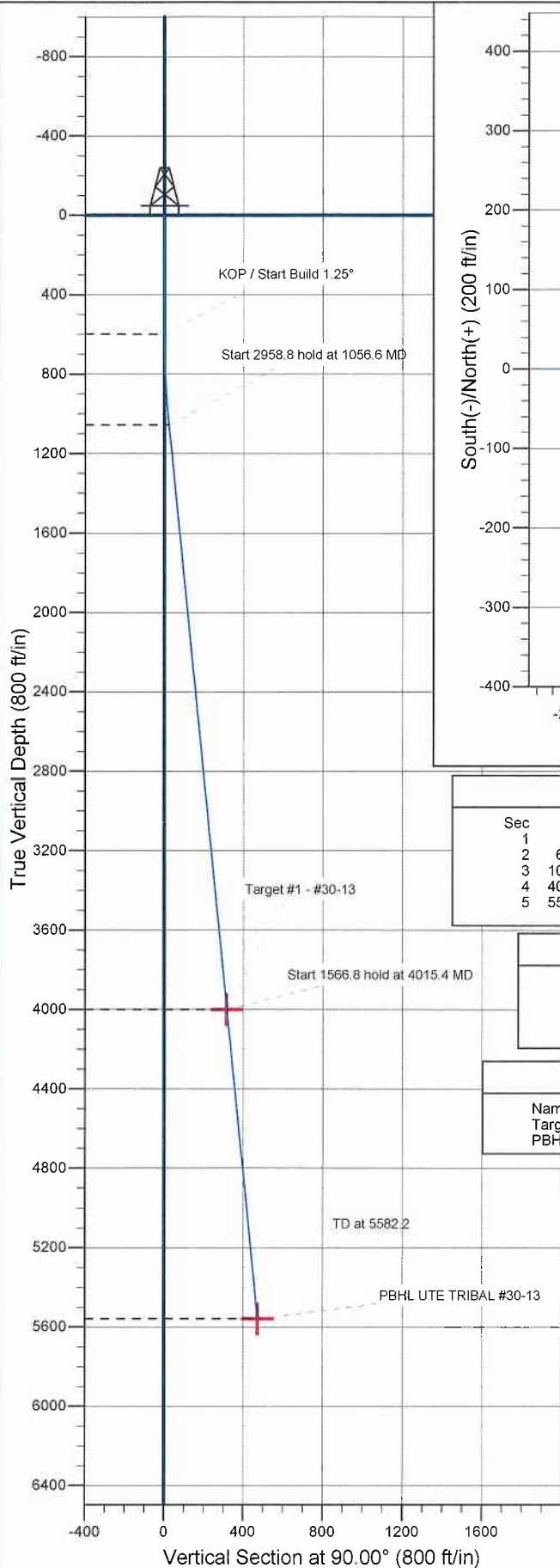
**DEC 14 2009**

**DIV. OF OIL, GAS & MINING**

Company: Petroglyph Energy, Inc.  
 Project: Duchesne Co., UT  
 Site: Sec.30-T5S-R3W  
 Well: UTE TRIBAL #30-13  
 Wellbore: Wellbore #1

Plan: Plan #1 (UTE TRIBAL #30-13/Wellbore #1)

**PATHFINDER**



Azimuths to True North  
 Magnetic North: 11.59°  
 Magnetic Field  
 Strength: 52408.7nT  
 Dip Angle: 65.78°  
 Date: 10/26/2009  
 Model: IGRF200510

SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target	
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0		
3	1056.6	5.71	90.00	1055.9	0.0	22.7	1.25	90.00	22.7		
4	4015.4	5.71	90.00	4000.0	0.0	317.0	0.00	0.00	317.0	Target #1 - #30-13	
5	5582.2	5.71	90.00	5559.0	0.0	472.8	0.00	0.00	472.8	PBHL UTE TRIBAL #30-13	

WELL DETAILS: UTE TRIBAL #30-13									
+N/-S	+E/-W	Northing	Easting	Ground Level:	Latitude	Longitude	Slot		
0.0	0.0	7175243.36	1983694.95	6209.0	40° 0' 41.190 N	110° 16' 27.690 W			

WELLBORE TARGET DETAILS (LAT/LONG)							
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape	
Target #1 - #30-13	4000.0	0.0	317.0	40° 0' 41.190 N	110° 16' 23.616 W	Point	
PBHL UTE TRIBAL #30-13	5559.0	0.0	472.8	40° 0' 41.190 N	110° 16' 21.613 W	Point	

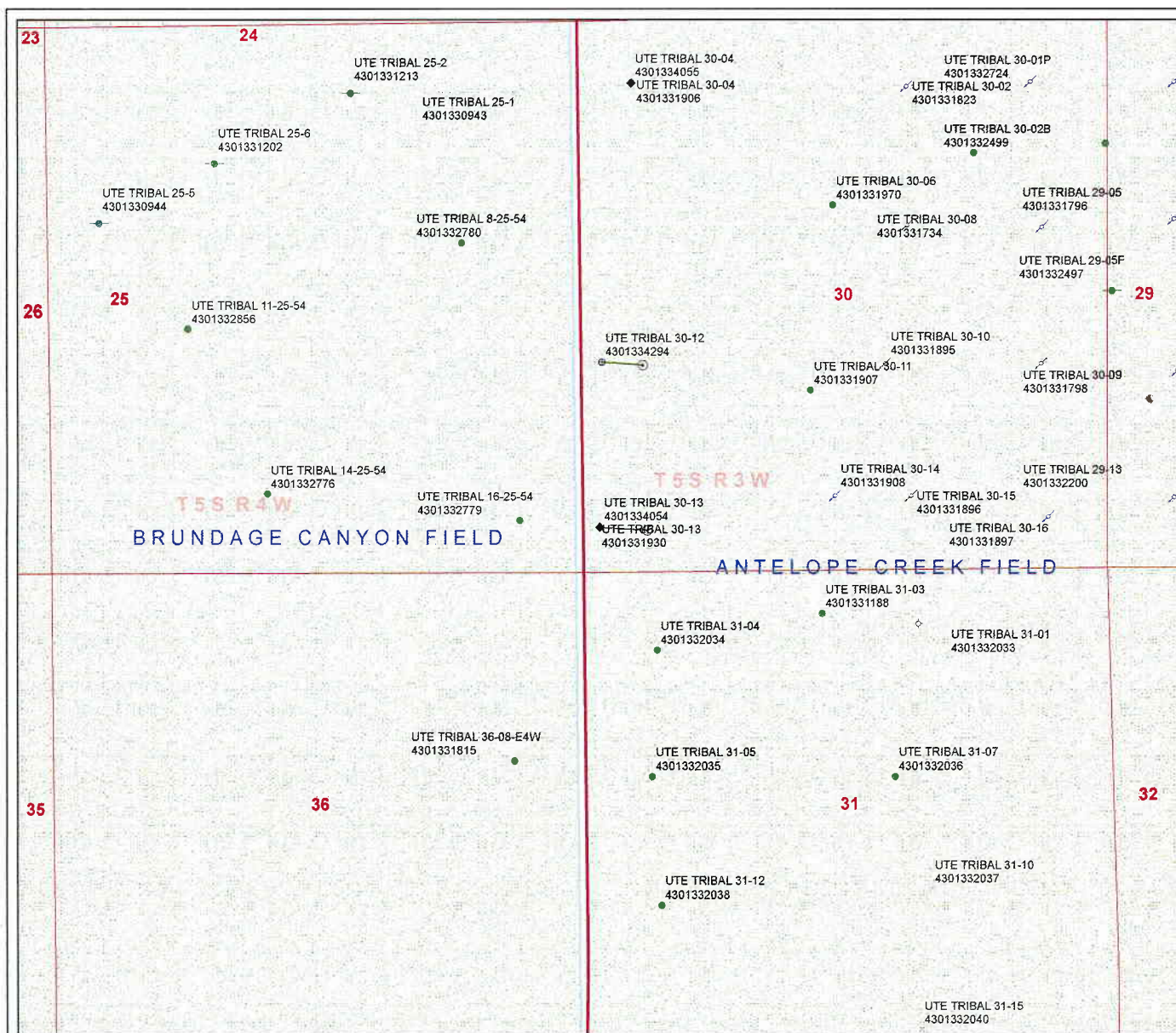
ANNOTATIONS		
TVD	MD	Annotation
600.0	600.0	KOP / Start Build 1.25°
1055.9	1056.6	Start 2958.8 hold at 1056.6 MD
4000.0	4015.4	Start 1566.8 hold at 4015.4 MD
5559.0	5582.2	TD at 5582.2

RECEIVED

DEC 14 2009

DIV. OF OIL, GAS & MINING





API Number: 4301334054

Well Name: UTE TRIBAL 30-13

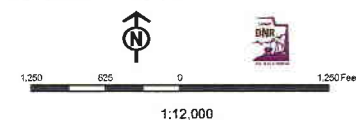
Township 05.0 S Range 03.0 W Section 30

Meridian: UBM

Operator: PETROGLYPH OPERATING CO

Map Prepared:

Map Produced by Diana Mason



**PETROGLYPH**

EXECUTIVE OFFICES

January 25, 2010

Mark Bingham, Senior Vice President  
FIML Natural Resources, LLC  
410 17th St. #900  
Denver, CO 80202

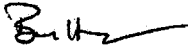
RE: Request to directional drill  
Ute Tribal #30-13  
390' FSL & 183' FWL at surface  
364' FSL & 649' FWL at bottom hole  
SWSW Section 30, T5S, R3W  
Duchesne County, Utah

Mr. Bingham,

Please find attached copies of the survey plat and topographic map for the above-described well. Petroglyph Operating Company, Inc. is requesting to directionally drill this well with a surface location of 390' FSL & 183' FWL and a producing zone location of 364' FSL & 649' FWL.

Due to the Antelope Creek canyon cliffs directly east of the location, it was necessary to spot the location 183' from the West line. This results in a portion of the well bore being less than 460' from the lease line. The completed portion of the wellbore will be more than 460' from the lease line. Utah Division of Oil, Gas and Mining's R649-3-11 requires written consent from all mineral owners within a 460' radius of the well. Since FIML Natural Resources, LLC is the mineral lease holder in the SE/4 of Section 25, T5S, R4W, Petroglyph Operating Company, Inc. respectfully requests the FIML's consent to drill this well at the location described above.

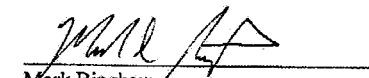
You may acknowledge the consent by signing this letter in the space provided below. An extra copy of this letter is provided for your records.



Bruce West  
Vice President  
Petroglyph Operating, Co. Inc.

Consent:

As Senior Vice President on behalf of FIML Natural Resources, LLC I hereby consent to the directional location referenced above.

  
Mark Bingham  
Senior Vice President  
FIML Natural Resources, LLC

PETROGLYPH ENERGY, INC.



February 1, 2010

Justin Williams  
ConocoPhillips  
3300 N. A Street, Building 6  
Midland, TX 79705

RE: Request to directional drill  
Ute Tribal #30-13  
390' FSL & 183' FWL at surface  
364' FSL & 649' FWL at bottom hole  
SWSW Section 30, T5S, R3W  
Duchesne County, Utah

Mr. Williams,

Please find attached copies of the survey plat and topographic map for the above-described well. Petroglyph Operating Company, Inc. is requesting to directionally drill this well with a surface location of 390' FSL & 183' FWL and a producing zone location of 364' FSL & 649' FWL.

Due to the Antelope Creek canyon cliffs directly east of the location, it was necessary to spot the location 183' from the West line. This results in a portion of the well bore being less than 460' from the lease line. The completed portion of the wellbore will be more than 460' from the lease line. Utah Division of Oil, Gas and Mining's R649-3-11 requires written consent from all mineral owners within a 460' radius of the well. Since ConocoPhillips is a mineral lease holder in Section 25, T5S, R4W, Petroglyph Operating Company, Inc. respectfully requests the ConocoPhillips' consent to drill this well at the location described above. Petroglyph will provide the following:

1. Directional survey verifying that the tops of all intervals completed in the well are more than 460 feet from the west line of section 30, Township 5 South, Range 2 West, Duchesne County, Utah.
2. An executed pooling agreement if well does not meet the requirement above;
3. Copies of downhole logs.

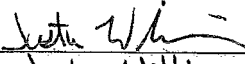
You may acknowledge the consent by signing this letter in the space provided below. An extra copy of this letter is provided for your records.

  
Bruce West

Vice President  
Petroglyph Operating, Co. Inc.

Consent:

On behalf of ConocoPhillips, I hereby consent to the directional location referenced above.

Approved:   
by: Justin Williams  
title: Landman  
ConocoPhillips Company

February 3, 2010

Division of Oil, Gas & Mining  
1592 W. N. Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

Re: Ute Tribal 30-13 (Directional well)  
390' FSL, 183' FWL (surface location)  
364' FSL & 649' FWL (at proposed prod. zone)  
Section 30, T5S, R3W  
Duchesne County, Utah

Diana Mason, Petroleum Technician:

In reference to the State Oil and Gas Conservation Rule R649-3-3, the Ute Tribal 30-13 surface location is an exception to this rule due to topography.

This well will be directionally drilled, and there are no additional lease owners within 460' of the proposed production zone location.

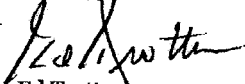
Petroglyph Operating Company, Inc. respectfully requests the Division of Oil, Gas and Mining Administratively grant the application for the exceptional well location.

If you have any questions, please contact me at the following address.

Ed Trotter, Agent  
P.O. Box 1910  
Vernal, UT 84078  
Phone: (435)789-4120  
Fax: (435)789-1420  
E-mail: [edtrotter@easilink.com](mailto:edtrotter@easilink.com)

Thank you for your attention to this matter.

Sincerely,



Ed Trotter  
Agent

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

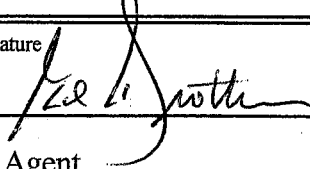
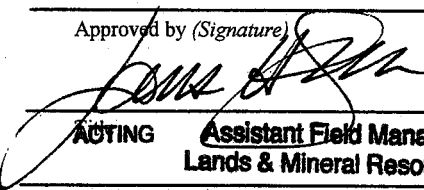
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. <b>14-20-H62-3519</b>
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name <b>UTE INDIAN TRIBE</b>
2. Name of Operator <b>PETROGLYPH OPERATING CO., INC.</b>		7. If Unit or CA Agreement, Name and No. <b>UTE TRIBAL 4650</b>
3a. Address <b>P.O. BOX 607, ROOSEVELT, UT 84066</b>		8. Lease Name and Well No. <b>UTE TRIBAL #30-13</b>
3b. Phone No. (Include area code) <b>(435)722-2531</b>		9. API Well No. <b>43-013-34054</b>
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface <b>390' FSL, 183' FWL SW/SW</b>  At proposed prod. Zone <b>364' FSL &amp; 649' FWL</b>		10. Field and Pool, or Exploratory <b>ANTELOPE CREEK</b>
14. Distance in miles and direction from nearest town or post office* <b>20.1 MILES SOUTHWEST OF MYTON, UTAH</b>		11. Sec., T., R., M., or Blk. and Survey or Area <b>SEC. 30, T5S, R3W, U.S.B.&amp;M.</b>
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. Unit line, if any) <b>183'</b>	16. No. of Acres in lease <b>640</b>	12. County or Parish <b>DUCHESNE</b>
17. Spacing Unit dedicated to this well <b>80</b>	13. State <b>UTAH</b>	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>See Topo Man "C"</b>	19. Proposed Depth <b>5559'</b>	20. BLM/BIA Bond No. on file <b>Bond #4138336</b>
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>6208.6 FEET GRADED GROUND</b>	22. Approximate date work will start* <b>UPON APPROVAL</b>	23. Estimated duration <b>45 DAYS</b>

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature 	Name (Printed/Typed) <b>Ed Trotter</b>	RECEIVED APR 01 2010	Date <b>December 17, 2009</b>
Title <b>Agent</b>			
Approved by (Signature) 	Name (Printed/Typed) <b>James H. Sparger</b>	DEPT OF THE INTERIOR BUREAU OF LAND-MANAGEMENT RECEIVED MAR 14 2010	Date <b>March 14, 2010</b>
<b>ACTING Assistant Field Manager Lands &amp; Mineral Resources</b>	Office <b>VERNAL FIELD OFFICE</b>		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of Approval, if any, are attached.

**CONDITIONS OF APPROVAL ATTACHED**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Continued on page 2)

UDOGM

No NOS NOTICE OF APPROVAL MES0011A



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE  
170 South 500 East VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Petroglyph Operating Co., Inc.  
Well No: Ute Tribal 30-13  
API No: 43-013-34054

Location: SWSW, Sec. 30, T5S, R3W  
Lease No: 14-20-H62-3519  
Agreement: Antelope Creek 14-20-H62-4650

**OFFICE NUMBER: (435) 781-4400**

**OFFICE FAX NUMBER: (435) 781-3420**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: <a href="mailto:ut_vn_opreport@blm.gov">ut_vn_opreport@blm.gov</a> .
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

RECEIVED

APR 01 2010

DIV. OF OIL, GAS & MINERALS

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

RECEIVED

APR 01 2010

DIV. OF OIL, GAS & MINING

General Conditions of Approval

- A 75 foot corridor access road right-of-way shall be approved.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel shall refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department shall be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.

- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

Additional Conditions of Approval

- Paint all facilities and equipment desert tan.
- Round corners per tech approval.
- Bury pipeline underneath access road.

**RECEIVED**

**APR 01 2010**

**DIV. OF OIL, GAS & MINING**

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

Site Specific Drilling Plan COA's:

- All casing strings below the conductor shall be pressure tested to 0.22 psi/foot or 1500 psi, whichever is greater but not to exceed 70% of the internal yield.
- BOPE shall be tested in accordance with Onshore Order #2.

**RECEIVED**

**APR 01 2010**

Variances Granted

**DIV. OF OIL, GAS & MINING**

Air Drilling

- Dust suppression equipment. Variance granted for water mist system to substitute for the dust suppression equipment.
- Blooie line discharge 100' from the well bore, variance granted for blooie line discharge to be 75' from the well bore.
- Compressors located in the opposite direction from the blooie line a minimum of 100' from the well bore. Variance granted for compressors to be 75' from well bore.
- Straight run blooie line. Variance granted for targeted "T"s at bends.
- Automatic igniter. Variance granted to not have an igniter at the end of the blooie line.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil &

Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

RECEIVED

APR 01 2010

DIV. OF OIL, GAS & MINING



## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

RECEIVED

APR 01 2010

DIV. OF OIL, GAS & MINING

RECEIVED

APR 01 2010

Page 7 of 7  
Well: Ute Tribal 30-13  
3/2/2010

DIV. OF OIL, GAS & MINING

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

BLM - Vernal Field Office - Notification Form

Operator Petroglyph Operating Rig Name/# Craig's/ Air rig  
Submitted By Jason Bywater Phone Number 435-722-5310  
Well Name/Number Ute Tribal 30-13  
Qtr/Qtr SW/SW Section 30 Township 5S Range 3W  
Lease Serial Number 14-20-H62-3519  
API Number 43-013-34054

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 3/17/2010 9:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

RECEIVED

APR 21 2010

DIV. OF OIL, GAS & MINING

Date/Time \_\_\_\_\_ AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Remarks Set 40' of conductor.

## DIVISION OF OIL, GAS AND MINING

### SPUDDING INFORMATION

Name of Company: PETROGLYPH OPERATING COMPANY

Well Name: UTE TRIBAL 30-13

Api No: 43-013-34054 Lease Type: INDIAN

Section 30 Township 05S Range 03W County DUCHESNE

Drilling Contractor AZTEC DRILING RIG # 184

### SPUDDED:

Date 03/22/2010

Time

How DRY

**Drilling will Commence:**

Reported by SPUD INFO FROM OPERATOR

Telephone # (435) 722-2531

Date 04/19/2010 Signed CHD

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**CONFIDENTIAL**

FORM 6

**ENTITY ACTION FORM**

Operator: Petroglyph Operating Company

Operator Account Number: N 3800

Address: P.O. Box 607

city Roosevelt

state UT

zip 84066

Phone Number: (435) 722-2531

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301334294	Ute Tribal 30-12		NWSW	30	T5S	R3W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	12352	12352	3/16/2010		4/28/10		
Comments: CSLPK = GRPV BHL = NWSW							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301334054	Ute Tribal 30-13		SWSW	30	T5S	R3W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	12352	12352	3/17/2010		4/28/10		
Comments: CSLPK = GRPV BHL = SWSW							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Glenda Davis

Name (Please Print)

Signature

Office Manager

Title

4/27/2010

Date

(5/2000)

**RECEIVED**

**APR 27 2010**

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

5. LEASE DESIGNATION AND SERIAL NUMBER:  
14-20-H62-3519

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
UTE INDIAN TRIBE

7. UNIT or CA AGREEMENT NAME:  
UTE TRIBAL 14-20-H62-4650

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL  
OIL WELL ☒ GAS WELL ☐ OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:  
UTE TRIBAL 30-13

2. NAME OF OPERATOR:  
PETROGLYPH OPERATING COMPANY

9. API NUMBER:  
4301334054

3. ADDRESS OF OPERATOR:  
PO BOX 607 CITY ROOSEVELT STATE UT ZIP 84066

PHONE NUMBER:  
(435) 722-2531

10. FIELD AND POOL, OR WILDCAT:  
ANTELOPE CREEK

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: 390' FSL, 183' FWL

COUNTY: DUCHESNE

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 30 T5S R3W

STATE:  
UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input checked="" type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The first date of production for this well was on 5/14/2010

NAME (PLEASE PRINT) Glenda Davis

TITLE Office Manager

SIGNATURE

DATE 5/17/2010

(This space for State use only)

RECEIVED

MAY 18 2010

DIV. OF OIL, GAS & MINING

**Petroglyph Energy, Inc.**

960 Broadway Ave., Ste. 500  
BOISE, ID 83706  
(208) 685-7600

# **Drilling Chronological** **Regulatory**

<b>Well Name: UTE TRIBAL 30-13</b>															
Field Name:	ANTELOPE CREEK				S/T/R:	30/5S/3W				County, State:	DUCHESNE, UT				
Operator:	PETROGLYPH				Location Desc:	20.1 miles SW of Myton, UT				District:	UTAH				
Project AFE:	42589				AFEs Associated:	/ / /									
<b>Daily Summary</b>															
Activity Date :	4/16/2010		Days From Spud :	30		Current Depth :	0 Ft		24 Hr. Footage Made :	0 Ft					
Rig Company :	Aztec Well Servicing Co., Inc.				Rig Name:	AZTEC 184									
Formation :					Weather:										
<b>Operations</b>															
Start	Hrs	Code	Remarks							Start Depth	End Depth	Run			
6:00	14.50	01	Move rig 184 to new loc & rig up.							0	0	NIH			
20:30	3.50	31	NU BOP & equip.							0	0	NIH			
0:00	1.00	01	RU drlg floor.							0	0	NIH			
1:00	5.00	61	Test upper kelly valve, safety valve, pipe rams & choke to 250 psi low and 3000 psi high. Test annular to 250 low and 1500 psi high. Test csg for 30 min @ 1500 psi.							0	0	NIH			
Total:	24.00														
<b>Daily Summary</b>															
Activity Date :	4/17/2010		Days From Spud :	31		Current Depth :	2300 Ft		24 Hr. Footage Made :	1850 Ft					
Rig Company :					Rig Name:										
Formation :					Weather:										
<b>Operations</b>															
Start	Hrs	Code	Remarks							Start Depth	End Depth	Run			
6:00	2.50	39	Load BHA on racks & strap collars. Make up bit.							0	0	NIH			
8:30	3.50	06	PU directional tools & TIH. Tag cmt @ 450'.							0	0	NIH			
12:00	1.00	61	Drl out cmt & float. Testing csg to 1500 psi.							450	500	1			
13:00	17.00	02	Drl from 500' to 2300'. 18 WOB. 40 RPM. 600 GPM							500	2300	1			
Total:	24.00														
<b>Mud Properties</b>															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
510	8:30	8.34	8.34	27	1	1	10/10/0	0.0	0.0	0	0.00	0.0%	99.0%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	7.00	0.00	0.00	0.00	100	80	0	0.00	0.00	0	0	0.00		0	
Water Loss	LCM	ECD	FL Temp	Remarks											
0	0.0	0.0	0	DAP 10 sks/hr starting at 600'. CATPOLY 2 cans per tour. POLYPLUS dwn drl pipe every 3rd connection or as needed for tight hole.											

Well Name: UTE TRIBAL 30-13																	
Field Name:		ANTELOPE CREEK				S/T/R:		30/5S/3W				County, State:		DUCHESENE, UT			
Operator:		PETROGLYPH				Location Desc:		20.1 miles SW of Myton, UT				District:		UTAH			
Daily Summary																	
Activity Date :		4/18/2010		Days From Spud :		32		Current Depth :		3938 Ft		24 Hr. Footage Made :		1638 Ft			
Rig Company :		Aztec Well Servicing Co., Inc.						Rig Name:		AZTEC 184							
Formation :								Weather:									
Operations																	
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run		
6:00	17.00	02	Drl from 2300' to 3906'. 20 WOB. 45 RPM. 590 GPM										2300	3906	1		
23:00	1.00	07	Service rig & check break linkage.										3906	3906	NIH		
0:00	0.50	02	Drl from 3906' to 3938'. 20 WOB. 45 RPM. 590 GPM.										3906	3938	1		
0:30	5.50	01	Loc giving out around subbase. Waiting on tools to hang drill string & rig down to fix loc.										3938	3938	NIH		
Total:		24.00															
Mud Properties																	
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand		
2500	8:45	8.34	8.34	27	1	1	10/10/0	0.0	0.0	0	0.00	0.0%	99.0%	0.0%	0.0%		
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss			
0.0	7.50	0.00	0.00	0.00	100	40	0	0.00	0.00	0	0	0.00		0			
Water Loss		LCM	ECD	FL Temp	Remarks												
0		0.0	9.2	0	DAP 5 sks per tour. CATPOLY 2 cans per tour. POLYPLUS - add dwn drl pipe every 3rd connection or as needed for tight hole.												

Daily Summary																	
Activity Date :		4/19/2010		Days From Spud :		33		Current Depth :		3938 Ft		24 Hr. Footage Made :		0 Ft			
Rig Company :		Aztec Well Servicing Co., Inc.						Rig Name:		AZTEC 184							
Formation :		BSCARB - Basal Carbonate Limestone						Weather:									
Operations																	
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run		
6:00	2.00	01	Set drl string in pipe rams to get weight of derrick.										3938	3938	NIH		
8:00	11.00	01	Move rig off loc so we cen rebuild sink hole.										3938	3938	NIH		
19:00	3.50	42	Remove bad dirt w/backhoe & suck truck										3938	3938	NIH		
22:30	1.00	01	RU Halliburton & pmp 650 sks of cmt into sink hole.										3938	3938	NIH		
23:30	6.50	13	Wait on cmt & daylight to set rig back into place.										3938	3938	NIH		
Total:		24.00															
Mud Properties																	
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand		
							//										
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss			
Water Loss		LCM	ECD	FL Temp	Remarks												
					DAP 5 sks per tour. CATPOLY 1 can per 24 hr period. POLYPLUS dwn drl pipe every 3rd connection or as needed for tight hole.												



<b>Well Name: UTE TRIBAL 30-13</b>															
Field Name:		ANTELOPE CREEK			S/T/R:		30/5S/3W			County, State:		DUCHESNE, UT			
Operator:		PETROGLYPH			Location Desc:		20.1 miles SW of Myton, UT			District:		UTAH			

Daily Summary															
Activity Date :		4/20/2010		Days From Spud :		34		Current Depth :		4200 Ft		24 Hr. Footage Made :		262 Ft	
Rig Company :		Aztec Well Servicing Co., Inc.						Rig Name:		AZTEC 184					
Formation :		DCBM - Douglas Creek						Weather:							

Operations													
Start	Hrs	Code	Remarks								Start Depth	End Depth	Run
6:00	13.00	01	Move rig back into place after loc repaired. RU rig.								3938	3938	NIH
19:00	3.00	01	Brake circ. Finish rigging up rig. Choke manifold and panic lines.								3938	3938	NIH
22:00	1.00	61	Test choke manifold & choke line.								3938	3938	NIH
23:00	3.00	01	RU Pason lines. Level rig. Hang overhead flagging. Finish connecting panic lines.								3938	3938	NIH
2:00	4.00	02	Drl ahead F/3,938' to 4,200'. ROT 45. #1 stks 90, #2 stks 100. 622 GPM. WOB 20.								3938	4200	1
Total:		24.00											

Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
3938	12:00	8.34	8.34	27	1	1	10/10/					1.0%	99.0%		
MBT	pH	Pm	Pf	Mf	CI	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
	7.50				100	40									

Water Loss	LCM	ECD	FL Temp	Remarks
		9.3		When back to drlg, add 10 sks DAP the first hour then follow hourly treatment. DAP - 5 sks per tour. CATPOLY - 1 can per 24 hr. period. POLYPLUS - add dwn DP every 3rd connection or as needed for tight hole.

Daily Summary															
Activity Date :		4/21/2010		Days From Spud :		35		Current Depth :		5584 Ft		24 Hr. Footage Made :		1384 Ft	
Rig Company :		Aztec Well Servicing Co., Inc.						Rig Name:		AZTEC 184					
Formation :		BSCARB - Basal Carbonate Limestone						Weather:							

Operations													
Start	Hrs	Code	Remarks								Start Depth	End Depth	Run
6:00	4.00	02	Drl ahead F/4,200' to 4,536'. ROT 55. WOB 20. Pmp stks 90 - 100. 2015 PSI								4200	4536	1
10:00	0.50	07	Rig service. Brake inspection.								4536	4536	NIH
10:30	12.00	02	Drl ahead F/4,536' to 5,481'. TD. ROT 55. WOB 20. Pmp stks 90 - 100. 2100 PSI								4536	5481	1
22:30	0.50	07	Rig service. Brake inspection.								5481	5481	NIH
23:00	1.50	02	Drl ahead F/5,481' to 5,584' TD. ROT 55. WOB 20. Pmp stks 90 - 100. 2100 PSI								5481	5584	1
0:30	0.50	05	Pmp sweep. Circ btms up.								5584	5584	1
1:00	3.50	06	Short trip. 30 stnds DP to 3,720'. (No tight spots)								5584	5584	1
4:30	1.00	05	Pmp sweep. Circ sweep out.								5584	5584	1
5:30	0.50	36	Start laying dwn 4-1/2 DP w/laydwn machine.								5584	5584	NIH
Total:		24.00											

Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
4405	9:30	8.34	8.34	27	1	1	10/10/					1.0%	99.0%		
MBT	pH	Pm	Pf	Mf	CI	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
	8.00				100	40									

Water Loss	LCM	ECD	FL Temp	Remarks
		9.3		DAP - 10 sks per tour. CATPOLY - 1 can per 24 hr period. POLYPLUS - add dwn DP every 3rd connection or as needed for tight hole. HI-VIS SWEEP - add 12 - 15 sks GEL to 60 bbl. In pill tk, 3 sks SAWDUST. Just before pumping, add 1/2 can POLYPLUS. WEIGHT PILL - 90 sks GYPSUM to 60 bbl. Displace DP before LD.

<b>Well Name: UTE TRIBAL 30-13</b>														
Field Name:		ANTELOPE CREEK			S/T/R:		30/5S/3W			County, State:		DUCESNE, UT		
Operator:		PETROGLYPH			Location Desc:		20.1 miles SW of Myton, UT			District:		UTAH		

Daily Summary															
Activity Date :		4/22/2010		Days From Spud :		36		Current Depth :		5584 Ft		24 Hr. Footage Made :		0 Ft	
Rig Company :		Aztec Well Servicing Co., Inc.						Rig Name:		AZTEC 184					
Formation :		BSCARB - Basal Carbonate Limestone						Weather:							

Operations													
Start	Hrs	Code	Remarks								Start Depth	End Depth	Run
6:00	6.00	25	LD 4-1/2 DP. Brake all directional tools for inspection.								5584	5584	NIH
12:00	0.50	01	Rig dwn. LD mach. Trough for loggers.								5584	5584	NIH
12:30	0.50	01	Re-level rig to center over hole for logs & running csg.								5584	5584	NIH
13:00	1.00	10	RU loggers for logs.								5584	5584	NIH
14:00	4.00	11	Run Wireline logs.								5584	5584	NIH
18:00	1.00	01	RD loggers.								5584	5584	NIH
19:00	1.50	01	Pull wear ring. RU laydown truck. RU csg crew. Hold safety mtg. MU shoe & float pmp through.								5584	5584	NIH
20:30	3.50	12	Start running 5-1/2 csg. Light plant went dwn.								5584	5584	NIH
0:00	5.00	24	Wait on mechanic to arrive to wrk on light plant.								5584	5584	NIH
5:00	1.00	33	Wrk on light plant w/mechanic.								5584	5584	NIH
Total:		24.00											

Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
							//								
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
	8.00														
Water Loss		LCM	ECD	FL Temp	Remarks										
					Non needed. TD 5584'										

Daily Summary															
Activity Date :		4/23/2010		Days From Spud :		37		Current Depth :		5584 Ft		24 Hr. Footage Made :		0 Ft	
Rig Company :		Aztec Well Servicing Co., Inc.						Rig Name:		AZTEC 184					
Formation :		BSCARB - Basal Carbonate Limestone						Weather:							

Operations													
Start	Hrs	Code	Remarks								Start Depth	End Depth	Run
6:00	3.00	12	Finish running 5-1/2 csg while repairing light plant. Csg shoe @ 5596'. Top of float @ 5523'. Top of marker jt @ 4011' and TD depth @ 5585'.								5584	5584	NIH
9:00	2.00	25	Brake circ. RD csg crew. RU cementers. LD kelly.								5584	5584	NIH
11:00	2.00	12	PJSM w/crews. Cmt 5-1/2 csg with 10 bbl fresh wtr, 20 bbls mud flush 11, pmped 265 sks 11# lead slurry & 290 sks 14# tail slurry. Displace w/132 bbls. 2% KCL. Bump plug @ 500 PSI over circ pressure.								5584	5584	NIH
13:00	0.50	01	RD cementers.								5584	5584	NIH
13:30	1.50	31	ND BOP. Set csg slips.								5584	5584	NIH
15:00	3.00	22	Jet pits. Use Blue Dog pump to clean settled cuttings. Hang BOP for transport to new loc. (Rig rel @ 18:00)								5584	5584	NIH
18:00	12.00	01	RD entire rig for move this morning @ 7 a.m. to loc 29-11G.								5584	5584	NIH
Total:		24.00											

Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
5584							//								
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
	8.00														
Water Loss		LCM	ECD	FL Temp	Remarks										
					Non needed. TD 5584'										

<b>Well Name: UTE TRIBAL 30-13</b>															
Field Name:	ANTELOPE CREEK		S/T/R:	30/5S/3W		County, State:	DUCHESNE, UT								
Operator:	PETROGLYPH		Location Desc:	20.1 miles SW of Myton, UT		District:	UTAH								
<b>Daily Summary</b>															
Activity Date :	5/3/2010		Days From Spud :	47		Current Depth :	5584 Ft		24 Hr. Footage Made :	0 Ft					
Rig Company :	Aztec Well Servicing Co., Inc.				Rig Name:	AZTEC 184									
Formation :					Weather:										
<b>Operations</b>															
Start	Hrs	Code	Remarks				Start Depth	End Depth	Run						
7:00	5.00	20	Haul in pit run to put around well head.				5584	5584	NIH						
Total:	5.00														
<b>Mud Properties</b>															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
5584							//								
MBT	pH	Pm	Pf	Mf	CI	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
	8.00														
Water Loss	LCM	ECD	FL Temp					Remarks							
								Non needed. TD 5584'							

<b>Formation</b>									
Formation Name	Current Well Top	Subsea Datum	Ref Well Top	Elec Top	Comments				
al Carbonate Limest	0	14	5449	0					
Castle Peak Limesto	0	14	5006	0					
"B" Limestone	0	14	4474	0					
Douglas Creek	0	14	4102	0					
"X" Marker	0	14	3954	0					
Mahogany Shale	0	14	3800	0					
<b>Casing</b>									
DateIn	Setting Depth	Jts Run	Type	Size	Weight	Grade	MINID	HoleDiam	TD
3/24/2010	513.32	11	3. Surface	8.625	24	J-55	0	12.25	510
Stage: 1, Tail, 0, 265, Halcem V1 w/ 2% cac12, Class G, 1.15, 15.8									
Stage: 1, Top Out, 0, 20, Halcem V1 w/ 2% cac12, Class G, 1.15, 15.8									
4/22/2010	5583.8	124	5. Production	5.5	15.5		0	7.875	5584
Stage: 1, Lead, 0, 265, Light premium, Lightweight, 3.24, 11									
Stage: 1, Tail, 0, 290, 50/50 Pozmix, Pozmix, 1.29, 14									

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8  
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. TYPE OF WORK: NEW WELL ☒ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER ☐

2. NAME OF OPERATOR: PETROGLYPH

3. ADDRESS OF OPERATOR: Box 607 CITY ROOSEVELT STATE UT ZIP 84066 PHONE NUMBER: 435-722-2531

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE: 390' FSL / 183' FWL NE/NW SEC. 30 T5S R3W  
AT TOP PRODUCING INTERVAL REPORTED BELOW: 476' FSL / 547' FWL BHL reviewed by HSM  
AT TOTAL DEPTH: 446' FSL / 550' FWL

5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-3519

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE INDIAN TRIBE

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER: UTE TRIBAL 30-13

9. API NUMBER: 43-013-34054

10. FIELD AND POOL, OR WILDCAT: ANTELOPE CREEK

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SEC. 30 NE/NW / T5S R3W

12. COUNTY: PUEBLO

13. STATE: UTAH

14. DATE SPUDDED: 3-24-10

15. DATE T.D. REACHED: 4-21-10

16. DATE COMPLETED: 5-14-10

ABANDONED ☐ READY TO PRODUCE ☒

17. ELEVATIONS (DF, RKB, RT, GL):

18. TOTAL DEPTH: MD 5584 TVD 5559

19. PLUG BACK T.D.: MD 5519 TVD 5503

20. IF MULTIPLE COMPLETIONS, HOW MANY? \*

21. DEPTH BRIDGE MD PLUG SET: TVD 112

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
SPECTRAL DUAL SPALD. DNL  
ARRAY COMPENSATED  
BORE HOLE VOL. PLOT  
CBL

23. WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)  
WAS DST RUN? NO ☒ YES ☐ (Submit report)  
DIRECTIONAL SURVEY? NO ☐ YES ☒ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14"	CONST. PR. PR.	SURF	90		310 G	65 158	SURF	CONDUCTION
12 1/4"	8 5/8" J-55	24.4	SURF	510		285 G	58 158	SURF	
7 7/8"	5 1/2" J-55	15.5	SURF	5584		555 G	220 158	130 CBL	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/4"	5118'							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) GR. RIVER	3800'	5449'	3765	5424	4136-46 (C4)	.42	40	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)					4190-94 (C5.2)	.42	16	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)					4200-13 (C5.2)	.42	52	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D)					4305-14 (C6)	.42	36	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
4136-46	33,010# PREM. WHITE 20/40 SAND FRAC. #25 DELTA 140 362 BBL <sup>s</sup>
4190-94 / 4200-13	40,260# PREM. WHITE 20/40 SAND FRAC. #25 DELTA 140 450 BBL <sup>s</sup>
4305-14	24,800# PREM. WHITE 20/40 SAND FRAC. #25 DELTA 140 275 BBL <sup>s</sup>

29. ENCLOSED ATTACHMENTS:

- ☒ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☒ DIRECTIONAL SURVEY  
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER: \_\_\_\_\_

30. WELL STATUS:

RECEIVED :  
JUN 08 2010

**PETROGLYPH**



UTE TRIBAL 30-13 COMPLETION

**CONTINUATION OF OF PERF. INTERVALS AND FRACS.**

**FORM 8 SEC. 27**

***PERFS. CONT:***

4433-4440 (C9.2)=.42 DIA. 28 HOLES OPEN

4548-4562 (D3)=.42 DIA. 56 HOLES OPEN

5053-5069 (E1.1)=.42 DIA. 64 HOLES OPEN

***ALL SHOTS 90 DEGREE PHASING***

**FORM 8 SEC. 28**

FRACS. CONT:

***DEPTH INTERVAL:***

4433-4440=15,260# PREM. WHITE 20/40 SAND FRAC 170 BBLS. #25 DELTA 140

4548-4562=35,900# PREM. WHITE 20/40 SAND FRAC. 352 BBLS. #25 DELTA 140

5053-5069=45,440# PREM. WHITE 20/40 SAND FRAC 395 BBLS. #25 DELTA 140

## 31. INITIAL PRODUCTION

## INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
5/15/10	5/16/10	24		18	8	99	rod pump
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:
35	60	125	33	.65	444	18	OPEN PRODUCTION

## INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

## INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

## INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

## 32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

USED FOR FUEL

## 33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				MAHOGANY MARKER	2403
				B MARKER	3487
				X MARKER	3973
				Y MARKER	4010
				DOUGLAS CREEK MARKER	4109
				B LINE	4483
				BASE CASTLE PEAK MARKER	5037
				BASAL CARBONATE	5472

## 35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT)

Boyd Cook

TITLE

RIG REP

SIGNATURE

Boyd Cook

DATE

6-3-10

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation

- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

## WELL PROFILE

OPERATOR PETROGILPHWELL # W 30-13FIELD AntelopeCOUNTY DuchesneSTATE UtahDATE 5-14-10☒ NEW COMPLETION☐ WORKOVER

Casing

Liner

Tubing

SIZE

8 5/8

5 1/2

2 7/8

WEIGHT

84#

15#

6#

GRADE

J-55

J-55

J-55

THREAD

5+42

L-70

802

DEPTH

516

5583

5120

ITEM  
NO.

T86

## EQUIPMENT AND SERVICES

1

14.00

2

130 3+5 3 7/8 65 J-55 BWC (used)

4058.88

4073.88

3

5' 0" 2 TAB w/ H5 Shear new

2.80

4075.38

4

30 3+5 2 7/8 65 J-55 BWC (used)

1009.39

5084.77

5

2 7/8 P6M (200 ZDS new)

1.10

5085.87

6

131 2 7/8 65 J-55 BWC

32.52

5118.39

7

2 7/8 N/C w/ FO

.414

5184.84

15K Strength 13 1/2"

## Rod Stairs

1

1 1/2 x 22 P.O. / Liner

2

7/8 Pony's (NUNK)

3

7/8 Grade D Guided Spar

4

3/4 Grade D Guided Spar

5

2 1/2 x 12 x 12 x 15 x 17 DUC Sprayed metal

National # PT 213 304 Top Single Valve

## Perry's

C4

4136-46 10' C 40 H15

C5.2

4190-94 4' C 16 H15

4200-13 13' C 52 H15

C6

4305-14 9' C 36 H15

C9.2

4433-46 7' C 28 H15

D3

4548-62 14' C 56 H15

E11

5053-69 16' C 64 H15

\* PBTD C 55171

## COMMENTS:

PREPARED BY

Sh. Boush

OFFICE

PHONE

MOUNTAIN  
STATES  
OIL TOOLS



Petroglyph Energy, Inc.

960 Broadway Ave., Ste. 500

BOISE, ID 83706

(208) 685-7600

## Drilling Chronological

Well Name: UTE TRIBAL 30-13										
Field Name:	ANTELOPE CREEK		S/T/R:	30/5S/3W		County, State:	DUCHESNE, UT			
Operator:	PETROGLYPH		Location Desc:	20.1 miles SW of Myton, UT		District:	UTAH			
Project AFE:	42589		AFEs Associated:	/ / /						
Daily Summary										
Activity Date :	3/7/2010		Days From Spud :	-11		Current Depth :	0 Ft		24 Hr. Footage Made :	-115 Ft
Formation :					Weather:					
Rig Company :					Rig Name:					
Daily Cost:			Cum DHC:			Total Well Cost:				
Operations										
Start	Hrs	Code	Remarks				Start Depth	End Depth	Run	
7:00	24.00	02	surface casing head						NIH	
Total:	24.00									
Daily Summary										
Activity Date :	3/22/2010		Days From Spud :	5		Current Depth :	0 Ft		24 Hr. Footage Made :	0 Ft
Formation :					Weather:					
Rig Company :					Rig Name:					
Daily Cost:	\$0		Cum DHC:			Total Well Cost:				
Operations										
Start	Hrs	Code	Remarks				Start Depth	End Depth	Run	
7:00	2.00	20	rock to build up road				0	0	NIH	
Total:	2.00									
Daily Summary										
Activity Date :	3/23/2010		Days From Spud :	6		Current Depth :	115 Ft		24 Hr. Footage Made :	115 Ft
Formation :					Weather:					
Rig Company :					Rig Name:					
Daily Cost:			Cum DHC:			Total Well Cost:				
Operations										
Start	Hrs	Code	Remarks				Start Depth	End Depth	Run	
6:00	12.00	02	Drill 20" conductor hole to 115' hit water @ 72' run 115' of 14" pipe in hole and cement w/ Halliburton.				0	115	NIH	
Total:	12.00									
Daily Summary										
Activity Date :	3/24/2010		Days From Spud :	7		Current Depth :	115 Ft		24 Hr. Footage Made :	0 Ft
Formation :					Weather:					
Rig Company :					Rig Name:					
Daily Cost:			Cum DHC:			Total Well Cost:				
Operations										
Start	Hrs	Code	Remarks				Start Depth	End Depth	Run	
6:00	12.00	02	Drill 12 1/4" hole to 510' hit water @ 250'. Ran 499' of 8 5/8" casing and cement w/ Halliburton.				115	115	NIH	
Total:	12.00									



Well Name: UTE TRIBAL 30-13					
Field Name:	ANTELOPE CREEK	S/T/R:	30/5S/3W	County, State:	DUCHESNE, UT
Operator:	PETROGLYPH	Location Desc:	20.1 miles SW of Myton, UT	District:	UTAH

Daily Summary					
Activity Date :	3/29/2010	Days From Spud :	12	Current Depth :	115 Ft
Formation :		Weather:		24 Hr. Footage Made :	0 Ft
Rig Company :		Rig Name:			
Daily Cost:		Cum DHC:		Total Well Cost:	
Operations					
Start	Hrs	Code	Remarks	Start Depth	End Depth
7:00	7.00	20	drill set and pull test rig anchors	115	115
Total:	7.00				

Daily Summary					
Activity Date :	3/30/2010	Days From Spud :	13	Current Depth :	115 Ft
Formation :		Weather:		24 Hr. Footage Made :	0 Ft
Rig Company :		Rig Name:			
Daily Cost:		Cum DHC:		Total Well Cost:	
Operations					
Start	Hrs	Code	Remarks	Start Depth	End Depth
7:00	24.00	20	install cellar ring	115	115
7:00	0.00	20	build location and road as per bid	115	115
Total:	24.00				

Daily Summary					
Activity Date :	4/19/2010	Days From Spud :	33	Current Depth :	115 Ft
Formation :		Weather:		24 Hr. Footage Made :	0 Ft
Rig Company :		Rig Name:			
Daily Cost:		Cum DHC:		Total Well Cost:	
Operations					
Start	Hrs	Code	Remarks	Start Depth	End Depth
7:00	3.00	02	retest rig anchors		
Total:	3.00				

Formation					
Formation Name	Current Well Top	Subsea Datum	Ref Well Top	Elec Top	Comments
al Carbonate Limest	0	14	5449	0	
Mahogany Shale	0	14	3800	0	
"X" Marker	0	14	3954	0	
Douglas Creek	0	14	4102	0	
"B" Limestone	0	14	4474	0	
Castle Peak Limesto	0	14	5006	0	

Casing									
DateIn	Setting Depth	Jts Run	Type	Size	Weight	Grade	MINID	HoleDiam	TD
3/24/2010	513.32	11	3. Surface	8.625	24	J-55	0	12.25	510
Stage: 1, Tail, 0, 265, Halcem V1 w/ 2% cacI2, Class G, 1.15, 15.8									
Stage: 1, Top Out, 0, 20, Halcem V1 w/ 2% cacI2, Class G, 1.15, 15.8									
4/22/2010	5583.8	124	5. Production	5.5	15.5		0	7.875	5584
Stage: 1, Lead, 0, 265, Light premium, Lightweight, 3.24, 11									
Stage: 1, Tail, 0, 290, 50/50 Pozmix, Pozmix, 1.29, 14									

**Petroglyph Energy, Inc.**

960 Broadway Ave., Ste. 500  
BOISE, ID 83706  
(208) 685-7600

**Drilling Chronological**

Well Name: UTE TRIBAL 30-13					
Field Name:	ANTELOPE CREEK	S/T/R:	30/5S/3W	County, State:	DUCHESNE, UT.
Operator:	PETROGLYPH	Location Desc:	20.1 miles SW of Myton, UT	District:	UTAH
Project AFE:	42589	AFEs Associated:	/ / /		

Daily Summary					
Activity Date :	4/16/2010	Days From Spud :	30	Current Depth :	0 Ft
Formation :				Weather:	24 Hr. Footage Made : 0 Ft
Rig Company :	Aztec Well Servicing Co., Inc.			Rig Name:	AZTEC 184
Daily Cost:		Cum DHC:		Total Well Cost:	

Operations						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	14.50	01	Move rig 184 to new loc & rig up.	0	0	NIH
20:30	3.50	31	NU BOP & equip.	0	0	NIH
0:00	1.00	01	RU drlg floor.	0	0	NIH
1:00	5.00	61	Test upper kelly valve, safety valve, pipe rams & choke to 250 psi low and 3000 psi high. Test annular to 250 low and 1500 psi high. Test csg for 30 min @ 1500 psi.	0	0	NIH
Total:		24.00				

Daily Summary							
Activity Date :	4/17/2010	Days From Spud :	31	Current Depth :	2300 Ft	24 Hr. Footage Made :	1850 Ft
Formation :				Weather:			
Rig Company :				Rig Name:			
Daily Cost:			Cum DHC:		Total Well Cost:		

Operations						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.50	39	Load BHA on racks & strap collars. Make up bit.	0	0	NIH
8:30	3.50	06	PU directional tools & TIH. Tag cmt @ 450'.	0	0	NIH
12:00	1.00	61	Drl out cmt & float. Testing csg to 1500 psi.	450	500	1
13:00	17.00	02	Drl from 500' to 2300'. 18 WOB. 40 RPM. 600 GPM	500	2300	1
Total:	24.00					

Mud Properties																
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand	
510	8:30	8.34	8.34	27	1	1	10/10/0	0.0	0.0	0	0.00	0.0%	99.0%	0.0%	0.0%	
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss		
0.0	7.00	0.00	0.00	0.00	100	80	0	0.00	0.00	0	0	0.00		0		
Water Loss		LCM	ECD	FL Temp				Remarks								
0		0.0	0.0	0				DAP 10 sks/hr starting at 600'. CATPOLY 2 cans per tour. POLYPLUS dwn drl pipe every 3rd connection or as needed for tight hole.								

Well Name: UTE TRIBAL 30-13					
Field Name:	ANTELOPE CREEK	S/T/R:	30/5S/3W	County, State:	DUCHESNE, UT
Operator:	PETROGLYPH	Location Desc:	20.1 miles SW of Myton, UT	District:	UTAH

Daily Summary					
Activity Date :	4/18/2010	Days From Spud :	32	Current Depth :	3938 Ft
Formation :			Weather:		
Rig Company :	Aztec Well Servicing Co., Inc.		Rig Name:	AZTEC 184	
Daily Cost:			Cum DHC:		
				Total Well Cost:	

Operations						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	17.00	02	Drl from 2300' to 3906'. 20 WOB. 45 RPM. 590 GPM	2300	3906	1
23:00	1.00	07	Service rig & check break linkage.	3906	3906	NIH
0:00	0.50	02	Drl from 3906' to 3938'. 20 WOB. 45 RPM. 590 GPM.	3906	3938	1
0:30	5.50	01	Loc giving out around subbase. Waiting on tools to hang drill string & rig down to fix loc.	3938	3938	NIH
Total:	24.00					

Mud Properties																
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand	
2500	8:45	8.34	8.34	27	1	1	10/10/0	0.0	0.0	0	0.00	0.0%	99.0%	0.0%	0.0%	
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss		
0.0	7.50	0.00	0.00	0.00	100	40	0	0.00	0.00	0	0	0.00		0		
Water Loss		LCM	ECD	FL Temp			Remarks									
0		0.0	9.2	0			DAP 5 sks per tour. CATPOLY 2 cans per tour. POLYPLUS - add dwn drl pipe every 3rd connection or as needed for tight hole.									

Daily Summary					
Activity Date :	4/19/2010	Days From Spud :	33	Current Depth :	3938 Ft
Formation :			Weather:		
Rig Company :	Aztec Well Servicing Co., Inc.		Rig Name:	AZTEC 184	
Daily Cost:			Cum DHC:		
				Total Well Cost:	

Operations						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	01	Set drl string in pipe rams to get weight of derrick.	3938	3938	NIH
8:00	11.00	01	Move rig off loc so we cen rebuild sink hole.	3938	3938	NIH
19:00	3.50	42	Remove bad dirt w/backhoe & suck truck	3938	3938	NIH
22:30	1.00	01	RU Halliburton & pmp 650 sks of cmt into sink hole.	3938	3938	NIH
23:30	6.50	13	Wait on cmt & daylight to set rig back into place.	3938	3938	NIH
Total:	24.00					

Mud Properties																
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand	
							//									
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss		
Water Loss	LCM	ECD	FL Temp					Remarks								
								DAP 5 sks per tour. CATPOLY 1can per 24 hr period. POLYPLUS dwn drl pipe every 3rd connection or as needed for tight hole.								

Well Name: UTE TRIBAL 30-13					
Field Name:	ANTELOPE CREEK	S/T/R:	30/5S/3W	County, State:	DUCHESNE, UT
Operator:	PETROGLYPH	Location Desc:	20.1 miles SW of Myton, UT	District:	UTAH

Daily Summary					
Activity Date :	4/20/2010	Days From Spud :	34	Current Depth :	4200 Ft
Formation :			Weather:		
Rig Company :	Aztec Well Servicing Co., Inc.		Rig Name:	AZTEC 184	
Daily Cost:			Cum DHC:		Total Well Cost:

Operations						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	13.00	01	Move rig back into place after loc repaired. RU rig.	3938	3938	NIH
19:00	3.00	01	Brake circ. Finish rigging up rig. Choke manifold and panic lines.	3938	3938	NIH
22:00	1.00	61	Test choke manifold & choke line.	3938	3938	NIH
23:00	3.00	01	RU Pason lines. Level rig. Hang overhead flagging. Finish connecting panic lines.	3938	3938	NIH
2:00	4.00	02	Drl ahead F/3,938' to 4,200'. ROT 45. #1 stks 90, #2 stks 100. 622 GPM. WOB 20.	3938	4200	1
Total:	24.00					

Mud Properties																
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand	
3938	12:00	8.34	8.34	27	1	1	10/10/					1.0%	99.0%			
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss		
	7.50				100	40										
Water Loss	LCM	ECD	FL Temp				Remarks									
		9.3					When back to drlg, add 10 sks DAP the first hour then follow hourly treatment. DAP - 5 sks per tour. CATPOLY - 1 can per 24 hr. period. POLYPLUS - add dwn DP every 3rd connection or as needed for tight hole.									

Daily Summary					
Activity Date :	4/21/2010	Days From Spud :	35	Current Depth :	5584 Ft
Formation :			Weather:		
Rig Company :	Aztec Well Servicing Co., Inc.		Rig Name:	AZTEC 184	
Daily Cost:			Cum DHC:		Total Well Cost:

Operations						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	4.00	02	Drl ahead F/4,200' to 4,536'. ROT 55. WOB 20. Pmp stks 90 - 100. 2015 PSI	4200	4536	1
10:00	0.50	07	Rig service. Brake inspection.	4536	4536	NIH
10:30	12.00	02	Drl ahead F/4,536' to 5,481'. TD. ROT 55. WOB 20. Pmp stks 90 - 100. 2100 PSI	4536	5481	1
22:30	0.50	07	Rig service. Brake inspection.	5481	5481	NIH
23:00	1.50	02	Drl ahead F/5,481' to 5,584' TD. ROT 55. WOB 20. Pmp stks 90 - 100. 2100 PSI	5481	5584	1
0:30	0.50	05	Pmp sweep. Circ btms up.	5584	5584	1
1:00	3.50	06	Short trip. 30 stnds DP to 3,720'. (No tight spots)	5584	5584	1
4:30	1.00	05	Pmp sweep. Circ sweep out.	5584	5584	1
5:30	0.50	36	Start laying dwn 4-1/2 DP w/laydwn machine.	5584	5584	NIH
Total:	24.00					

Mud Properties																
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand	
4405	9:30	8.34	8.34	27	1	1	10/10/					1.0%	99.0%			
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss		
	8.00				100	40										
Water Loss		LCM	ECD	FL Temp			Remarks									
			9.3				DAP - 10 sks per tour. CATPOLY - 1 can per 24 hr period. POLYPLUS - add dwn DP every 3rd connection or as needed for tight hole. HI-VIS SWEEP - add 12 - 15 sks GEL to 60 bbl. In pill tk, 3 sks SAWDUST. Just before pumping, add 1/2 can POLYPLUS. WEIGHT PILL - 90 sks GYPSUM to 60 bbl. Displace DP before LD.									

Well Name: UTE TRIBAL 30-13					
Field Name:	ANTELOPE CREEK	S/T/R:	30/5S/3W	County, State:	DUCHESNE, UT
Operator:	PETROGLYPH	Location Desc:	20.1 miles SW of Myton, UT	District:	UTAH

Daily Summary					
Activity Date :	4/22/2010	Days From Spud :	36	Current Depth :	5584 Ft
Formation :			Weather:		
Rig Company :	Aztec Well Servicing Co., Inc.		Rig Name:	AZTEC 184	
Daily Cost:			Cum DHC:		
				Total Well Cost:	

Operations					
Start	Hrs	Code	Remarks	Start Depth	End Depth
6:00	6.00	25	LD 4-1/2 DP. Brake all directional tools for inspection.	5584	5584
12:00	0.50	01	Rig dwn. LD mach. Trough for loggers.	5584	5584
12:30	0.50	01	Re-level rig to center over hole for logs & running csg.	5584	5584
13:00	1.00	10	RU loggers for logs.	5584	5584
14:00	4.00	11	Run Wireline logs.	5584	5584
18:00	1.00	01	RD loggers.	5584	5584
19:00	1.50	01	Pull wear ring. RU laydown truck. RU csg crew. Hold safety mtg. MU shoe & float pmp through.	5584	5584
20:30	3.50	12	Start running 5-1/2 csg. Light plant went dwn.	5584	5584
0:00	5.00	24	Wait on mechanic to arrive to wrk on light plant.	5584	5584
5:00	1.00	33	Wrk on light plant w/mechanic.	5584	5584
Total:	24.00				

Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
							//								
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
	8.00														
Water Loss		LCM	ECD	FL Temp		Remarks									
						Non needed. TD 5584'									

Daily Summary					
Activity Date :	4/23/2010	Days From Spud :	37	Current Depth :	5584 Ft
Formation :			Weather:		
Rig Company :	Aztec Well Servicing Co., Inc.		Rig Name:	AZTEC 184	
Daily Cost:			Cum DHC:		
				Total Well Cost:	

Operations					
Start	Hrs	Code	Remarks	Start Depth	End Depth
6:00	3.00	12	Finish running 5-1/2 csg while repairing light plant. Csg shoe @ 5596'. Top of float @ 5523'. Top of marker jt @ 4011' and TD depth @ 5585'.	5584	5584
9:00	2.00	25	Brake circ. RD csg crew. RU cementers. LD kelly.	5584	5584
11:00	2.00	12	PJSM w/crews. Cmt 5-1/2 csg with 10 bbl fresh wtr, 20 bbls mud flush 11, pmped 265 sks 11# lead slurry & 290 sks 14# tail slurry. Displace w/132 bbls. 2% KCL. Bump plug @ 500 PSI over circ pressure.	5584	5584
13:00	0.50	01	RD cementers.	5584	5584
13:30	1.50	31	ND BOP. Set csg slips.	5584	5584
15:00	3.00	22	Jet pits. Use Blue Dog pump to clean settled cuttings. Hang BOP for transport to new loc. (Rig rel @ 18:00)	5584	5584
18:00	12.00	01	RD entire rig for move this morning @ 7 a.m. to loc 29-11G.	5584	5584
Total:	24.00				

Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
5584							//								
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
	8.00														
Water Loss		LCM	ECD	FL Temp		Remarks									
						Non needed. TD 5584'									

Well Name:UTE TRIBAL 30-13					
Field Name:	ANTELOPE CREEK	S/T/R:	30/5S/3W	County,State:	DUCHESNE, UT
Operator:	PETROGLYPH	Location Desc:	20.1 miles SW of Myton, UT	District:	UTAH

Formation					
Formation Name	Current Well Top	Subsea Datum	Ref Well Top	Elec Top	Comments
al Carbonate Limest	0	14	5449	0	
Mahogany Shale	*0	14	3800	0	
"X" Marker	0	14	3954	0	
Douglas Creek	0	14	4102	0	
"B" Limestone	0	14	4474	0	
Castle Peak Limesto	0	14	5006	0	

Casing									
DateIn	Setting Depth	Jts Run	Type	Size	Weight	Grade	MINID	HoleDiam	TD
3/24/2010	513.32	11	3. Surface	8.625	24	J-55	0	12.25	510
Stage: 1, Tail, 0, 265, Halcem V1 w/ 2% cacl2, Class G, 1.15, 15.8									
Stage: 1, Top Out, 0, 20, Halcem V1 w/ 2% cacl2, Class G, 1.15, 15.8									
4/22/2010	5583.8	124	5. Production	5.5	15.5		0	7.875	5584
Stage: 1, Lead, 0, 265, Light premium, Lightweight, 3.24, 11									
Stage: 1, Tail, 0, 290, 50/50 Pozmix, Pozmix, 1.29, 14									

Job Number: 42DEF1004302

State/Country: Utah,USA

Company: Petroglyph

Declination: 11.56

Lease/Well: 30-13

Grid: I

Location: Antelope creek

File name: D:\DOCUME~1\USER\DESKTOP\UTETRI-2\30-13.SVY

Rig Name: Aztec 184

Date/Time: 22-Apr-10 / 08:36

RKB: 6223

Curve Name: AS DRILLED

G.L. or M.S.L.: 6209

## Scientific Drilling

WINSERVE SURVEY CALCULATIONS  
 Minimum Curvature Method  
 Vertical Section Plane 75.00  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
546.00	.69	240.08	545.99	-1.64	-2.85	-3.18	3.29	240.08	.13
578.00	.75	239.82	577.98	-1.84	-3.20	-3.57	3.69	240.07	.19
609.00	.88	233.39	608.98	-2.09	-3.56	-3.98	4.13	239.67	.51
641.00	.72	181.94	640.98	-2.43	-3.77	-4.27	4.49	237.15	2.22
673.00	1.41	131.34	672.97	-2.89	-3.48	-4.11	4.53	230.25	3.45
705.00	2.22	115.06	704.96	-3.42	-2.62	-3.42	4.31	217.51	2.98
737.00	2.93	111.62	736.92	-3.98	-1.30	-2.29	4.19	198.09	2.27
768.00	3.45	109.86	767.88	-4.59	.31	-.88	4.60	176.09	1.71
800.00	3.91	104.54	799.81	-5.19	2.28	.85	5.67	156.33	1.79
831.00	4.28	105.19	830.73	-5.76	4.41	2.77	7.26	142.53	1.20
862.00	4.34	101.84	861.64	-6.30	6.68	4.82	9.18	133.34	.83
893.00	4.69	98.28	892.55	-6.73	9.08	7.03	11.30	126.52	1.45
924.00	5.30	97.03	923.43	-7.08	11.76	9.52	13.73	121.07	2.00
955.00	5.97	92.35	954.28	-7.32	14.79	12.39	16.50	116.35	2.62
986.00	6.65	88.83	985.09	-7.35	18.19	15.67	19.62	112.01	2.52
1017.00	6.98	85.28	1015.87	-7.16	21.87	19.27	23.01	108.14	1.73
1048.00	7.08	85.73	1046.64	-6.87	25.65	23.00	26.55	104.98	.37
1080.00	7.10	82.55	1078.40	-6.46	29.58	26.90	30.27	102.32	1.23
1112.00	7.27	79.24	1110.14	-5.83	33.53	30.87	34.03	99.86	1.40
1144.00	7.45	78.49	1141.88	-5.04	37.55	34.96	37.88	97.64	.64
1175.00	7.53	76.46	1172.62	-4.16	41.49	39.00	41.70	95.72	.89
1207.00	7.68	71.96	1204.33	-3.01	45.56	43.23	45.66	93.77	1.92
1239.00	7.71	67.21	1236.05	-1.51	49.58	47.49	49.60	91.75	1.99
1270.00	7.64	63.97	1266.77	.20	53.34	51.58	53.34	89.79	1.41

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
1301.00	7.32	63.69	1297.51	1.98	56.97	55.54	57.00	88.01	1.04
1333.00	6.92	62.36	1329.26	3.78	60.50	59.42	60.62	86.43	1.35
1365.00	6.35	63.42	1361.04	5.46	63.79	63.03	64.02	85.11	1.82
1396.00	5.91	68.71	1391.87	6.81	66.81	66.30	67.16	84.18	2.31
1426.00	6.05	77.98	1421.70	7.70	69.80	69.41	70.22	83.71	3.25
1458.00	7.00	83.62	1453.50	8.27	73.38	73.02	73.85	83.57	3.58
1490.00	7.99	85.69	1485.22	8.65	77.54	77.14	78.02	83.63	3.21
1522.00	8.72	82.61	1516.88	9.13	82.16	81.73	82.67	83.66	2.68
1553.00	9.12	78.60	1547.51	9.92	86.90	86.51	87.47	83.49	2.38
1584.00	8.91	75.59	1578.13	11.00	91.64	91.36	92.29	83.16	1.67
1615.00	8.27	73.98	1608.78	12.21	96.10	95.99	96.88	82.76	2.21
1647.00	7.46	73.94	1640.48	13.42	100.31	100.37	101.21	82.38	2.53
1678.00	7.67	68.89	1671.21	14.72	104.18	104.44	105.21	81.96	2.25
1710.00	7.54	71.03	1702.93	16.18	108.15	108.66	109.36	81.49	.97
1742.00	7.60	69.76	1734.65	17.59	112.12	112.86	113.50	81.08	.56
1772.00	7.70	70.04	1764.38	18.96	115.87	116.83	117.42	80.71	.36
1804.00	7.35	66.06	1796.11	20.53	119.76	120.99	121.51	80.27	1.96
1836.00	6.81	65.20	1827.86	22.15	123.35	124.88	125.33	79.82	1.72
1868.00	6.39	64.73	1859.65	23.71	126.69	128.51	128.89	79.40	1.32
1900.00	6.09	66.84	1891.46	25.14	129.86	131.94	132.27	79.05	1.18
1932.00	5.93	72.31	1923.28	26.31	132.99	135.27	135.57	78.81	1.86
1964.00	5.39	82.33	1955.13	27.01	136.06	138.41	138.71	78.77	3.51
1996.00	5.69	93.45	1986.98	27.11	139.13	141.41	141.75	78.97	3.48
2028.00	6.32	100.13	2018.80	26.71	142.45	144.51	144.93	79.38	2.94
2058.00	6.88	104.27	2048.61	25.97	145.81	147.57	148.11	79.90	2.45
2090.00	7.51	106.18	2080.35	24.92	149.68	151.03	151.74	80.55	2.11
2121.00	7.60	103.53	2111.08	23.88	153.62	154.56	155.46	81.17	1.16
2153.00	7.85	99.82	2142.79	23.01	157.83	158.41	159.50	81.71	1.74
2185.00	8.02	93.98	2174.49	22.48	162.21	162.50	163.76	82.11	2.57
2217.00	8.67	89.17	2206.15	22.36	166.85	166.95	168.34	82.37	2.98
2248.00	9.46	86.84	2236.76	22.53	171.73	171.71	173.20	82.52	2.81
2280.00	9.32	85.73	2268.33	22.87	176.94	176.83	178.41	82.63	.72
2310.00	8.97	81.70	2297.95	23.39	181.68	181.54	183.18	82.66	2.43
2342.00	8.24	82.34	2329.59	24.06	186.42	186.29	187.96	82.65	2.30
2373.00	7.65	82.63	2360.29	24.62	190.66	190.54	192.25	82.64	1.91
2405.00	7.58	81.11	2392.01	25.22	194.86	194.75	196.49	82.63	.67
2436.00	7.98	79.28	2422.73	25.93	199.00	198.93	200.68	82.58	1.52
2468.00	7.89	74.80	2454.42	26.92	203.30	203.34	205.07	82.46	1.95
2499.00	7.88	72.67	2485.13	28.11	207.38	207.59	209.28	82.28	.94
2531.00	7.49	71.39	2516.84	29.43	211.45	211.86	213.49	82.08	1.33
2563.00	7.34	72.28	2548.57	30.72	215.38	215.99	217.55	81.88	.59
2595.00	7.46	70.72	2580.31	32.03	219.28	220.10	221.61	81.69	.73
2626.00	7.79	69.07	2611.03	33.44	223.14	224.20	225.64	81.48	1.28
2658.00	8.05	67.47	2642.73	35.08	227.24	228.58	229.93	81.23	1.07
2690.00	8.30	64.39	2674.40	36.93	231.39	233.07	234.32	80.93	1.58



Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
2721.00	8.95	61.54	2705.05	39.05	235.53	237.61	238.75	80.59	2.51
2753.00	9.08	59.57	2736.66	41.51	239.90	242.47	243.46	80.18	1.05
2785.00	9.05	58.62	2768.26	44.10	244.22	247.31	248.17	79.76	.48
2817.00	8.73	58.21	2799.87	46.69	248.43	252.05	252.78	79.36	1.02
2849.00	8.58	57.07	2831.51	49.27	252.50	256.65	257.26	78.96	.71
2881.00	8.38	56.23	2863.16	51.86	256.44	261.13	261.64	78.57	.74
2912.00	8.10	55.29	2893.84	54.36	260.12	265.32	265.74	78.20	1.00
2944.00	7.52	59.27	2925.54	56.72	263.77	269.46	269.80	77.86	2.48
2975.00	7.10	63.16	2956.29	58.62	267.22	273.29	273.58	77.63	2.09
3007.00	6.69	62.05	2988.06	60.39	270.63	277.04	277.29	77.42	1.35
3038.00	6.88	64.38	3018.84	62.03	273.90	280.63	280.84	77.24	1.08
3070.00	6.95	66.18	3050.61	63.64	277.40	284.42	284.61	77.08	.71
3101.00	7.09	67.09	3081.38	65.15	280.88	288.17	288.34	76.94	.58
3130.00	7.05	65.43	3110.16	66.58	284.15	291.70	291.85	76.81	.72
3162.00	7.00	63.37	3141.92	68.27	287.68	295.55	295.67	76.65	.80
3193.00	6.01	64.16	3172.72	69.83	290.83	298.99	299.09	76.50	3.21
3225.00	5.55	63.43	3204.55	71.25	293.72	302.15	302.24	76.36	1.46
3256.00	5.26	66.54	3235.41	72.49	296.36	305.03	305.10	76.26	1.33
3288.00	5.81	67.15	3267.27	73.70	299.20	308.08	308.14	76.16	1.73
3320.00	5.56	69.90	3299.11	74.86	302.15	311.23	311.29	76.08	1.16
3350.00	5.95	73.41	3328.96	75.81	305.00	314.23	314.28	76.04	1.75
3382.00	6.81	73.16	3360.76	76.83	308.41	317.79	317.84	76.01	2.69
3413.00	6.74	75.74	3391.54	77.81	311.93	321.44	321.49	75.99	1.01
3444.00	7.10	75.21	3422.32	78.75	315.55	325.18	325.22	75.99	1.18
3475.00	7.81	75.31	3453.05	79.77	319.44	329.20	329.25	75.98	2.29
3507.00	7.58	75.88	3484.77	80.84	323.59	333.48	333.53	75.97	.76
3601.00	6.50	76.55	3578.06	83.59	334.77	345.00	345.05	75.98	1.15
3693.00	5.53	82.08	3669.55	85.41	344.23	354.61	354.67	76.07	1.23
3788.00	4.22	84.24	3764.20	86.39	352.24	362.60	362.68	76.22	1.39
3882.00	3.49	86.87	3857.99	86.89	358.54	368.81	368.92	76.38	.80
3977.00	2.88	92.08	3952.84	86.96	363.81	373.92	374.06	76.56	.71
4072.00	2.29	88.92	4047.75	86.91	368.09	378.05	378.22	76.71	.64
4165.00	2.00	94.14	4140.68	86.83	371.57	381.38	381.58	76.85	.38
4258.00	1.37	99.49	4233.64	86.53	374.29	383.93	384.16	76.98	.70
4353.00	.92	112.62	4328.62	86.05	376.11	385.57	385.83	77.11	.55
4448.00	.98	148.10	4423.61	85.07	377.24	386.41	386.72	77.29	.61
4543.00	.92	168.84	4518.60	83.63	377.82	386.59	386.97	77.52	.37
4636.00	1.49	172.00	4611.57	81.70	378.13	386.39	386.86	77.81	.62
4731.00	2.18	178.45	4706.53	78.67	378.35	385.82	386.45	78.25	.76
4826.00	2.64	225.69	4801.45	75.33	376.84	383.50	384.29	78.69	2.08
4918.00	2.26	250.60	4893.37	73.25	373.61	379.84	380.72	78.91	1.22
5013.00	1.56	226.26	4988.32	71.74	370.91	376.84	377.78	79.05	1.11
5109.00	1.22	188.66	5084.29	69.82	369.81	375.28	376.34	79.31	.99
5205.00	1.80	185.23	5180.26	67.31	369.52	374.35	375.60	79.68	.61
5299.00	1.89	187.13	5274.21	64.30	369.19	373.26	374.75	80.12	.12

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
5393.00	1.65	199.93	5368.16	61.49	368.54	371.90	373.63	80.53	.49
5489.00	1.80	196.13	5464.12	58.74	367.65	370.33	372.31	80.92	.20
5528.00	1.87	194.08	5503.10	57.54	367.32	369.70	371.80	81.10	.25
<b>PROJECTION TO BIT</b>									
5584.00	1.87	194.08	5559.07	55.77	366.88	368.81	371.09	81.36	.00

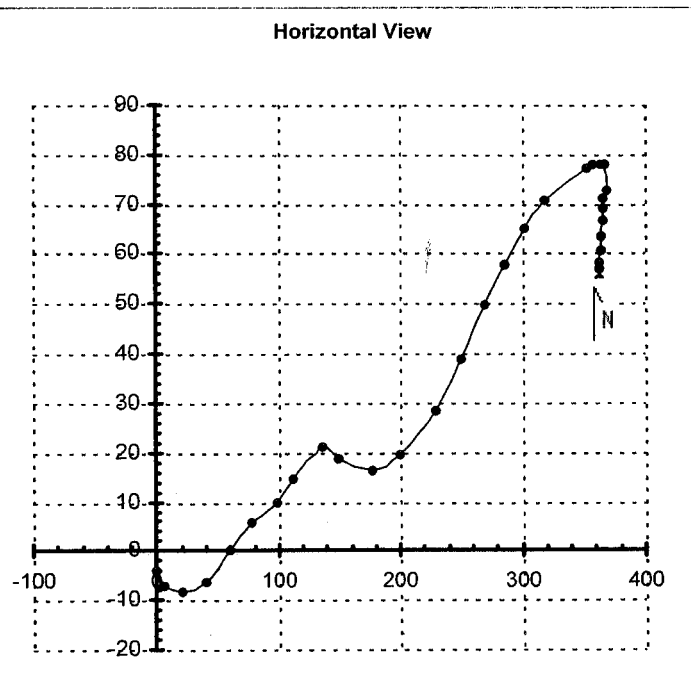
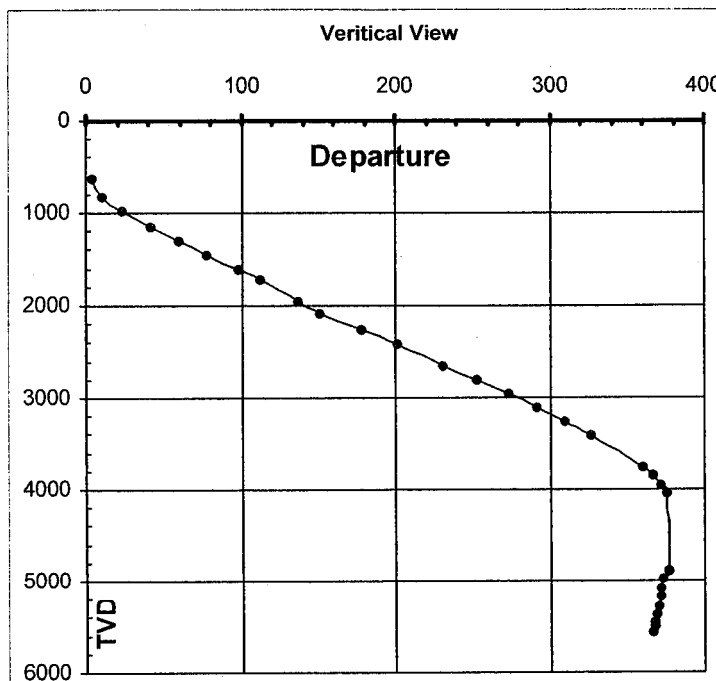
# Petroglyph Energy, Inc.

960 Broadway Ave., Ste. 500  
BOISE, ID 83706  
(208) 685-7600

## Drilling Survey Report

### Well Name: UTE TRIBAL 30-13

Field Name:	ANTELOPE CREEK	S/T/R:	30/5S/3W	County, State:	DUCHESNE, UT
Operator:	PETROGLYPH	Location Desc:	20.1 miles SW of Myton, UT	District:	UTAH



Sur No	Date	Tie In	Meas Dep	Inclination	Azimuth	Desired Az	TVD	Vert Sect	N/S(+/-)	E/W(+/-)	DLS
1	4/17/2010	<input type="checkbox"/>	641	0.72	181.90	0.00	640.99	-4.03	-4.03	-0.13	0.11
2	4/17/2010	<input type="checkbox"/>	831	4.28	105.20	0.00	830.81	-7.08	-7.08	6.67	2.20
3	4/17/2010	<input type="checkbox"/>	986	6.65	88.80	0.00	985.10	-8.41	-8.41	21.22	1.82
4	4/17/2010	<input type="checkbox"/>	1144	7.45	78.50	0.00	1141.91	-6.17	-6.17	40.41	0.94
5	4/17/2010	<input type="checkbox"/>	1301	7.32	63.70	0.00	1297.61	0.29	0.29	59.35	1.21
6	4/17/2010	<input type="checkbox"/>	1458	7.00	83.60	0.00	1453.38	5.79	5.79	77.82	1.58
7	4/17/2010	<input type="checkbox"/>	1615	8.27	74.00	0.00	1608.99	9.97	9.97	98.18	1.14
8	4/17/2010	<input type="checkbox"/>	1722	6.81	65.20	0.00	1715.06	14.75	14.75	111.34	1.74
9	4/17/2010	<input type="checkbox"/>	1964	5.39	89.00	0.00	1955.69	20.96	20.96	135.73	1.19
10	4/17/2010	<input type="checkbox"/>	2090	7.51	106.20	0.00	2080.90	18.77	18.77	149.55	2.26
11	4/18/2010	<input type="checkbox"/>	2280	9.32	85.70	0.00	2268.85	16.46	16.46	176.82	1.83
12	4/18/2010	<input type="checkbox"/>	2436	7.98	79.30	0.00	2423.08	19.42	19.42	200.05	1.06
13	4/18/2010	<input type="checkbox"/>	2658	8.05	67.50	0.00	2642.91	28.23	28.23	229.56	0.74
14	4/18/2010	<input type="checkbox"/>	2817	8.73	58.20	0.00	2800.21	38.85	38.85	250.10	0.95
15	4/18/2010	<input type="checkbox"/>	2975	7.10	63.20	0.00	2956.70	49.57	49.57	269.00	1.12
16	4/18/2010	<input type="checkbox"/>	3130	7.05	65.40	0.00	3110.52	57.85	57.85	286.20	0.18
17	4/18/2010	<input type="checkbox"/>	3288	5.81	67.20	0.00	3267.53	64.98	64.98	302.39	0.80
18	4/18/2010	<input type="checkbox"/>	3444	7.10	75.20	0.00	3422.54	70.50	70.50	318.99	1.01
19	4/18/2010	<input type="checkbox"/>	3788	4.22	84.20	0.00	3764.86	77.21	77.21	352.14	0.87
20	4/18/2010	<input type="checkbox"/>	3882	3.49	86.90	0.00	3858.65	77.72	77.72	358.43	0.80
21	4/20/2010	<input type="checkbox"/>	3977	2.88	92.10	0.00	3953.50	77.79	77.79	363.71	0.71
22	4/20/2010	<input type="checkbox"/>	4072	2.29	88.90	0.00	4048.40	77.74	77.74	367.99	0.64
23	4/21/2010	<input type="checkbox"/>	4918	2.26	250.60	0.00	4893.74	72.52	72.52	369.15	0.53
24	4/21/2010	<input type="checkbox"/>	5013	1.56	226.30	0.00	4988.68	71.00	71.00	366.45	1.11

**Petroglyph Energy, Inc.**

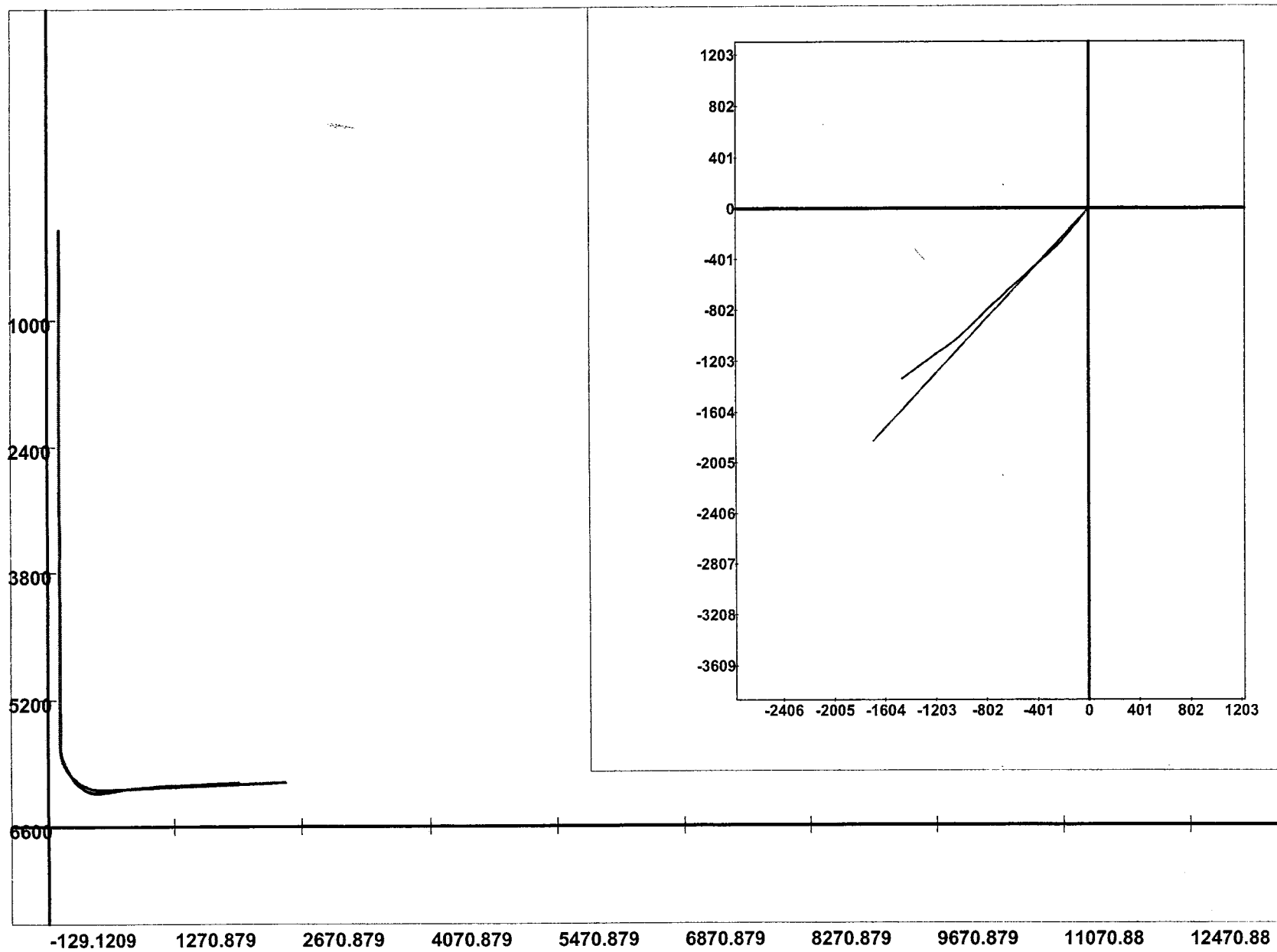
960 Broadway Ave., Ste. 500

BOISE, ID 83706

(208) 685-7600

**Drilling Survey**  
**Report**

25	4/21/2010	<input type="checkbox"/>	5109	1.22	188.70	0.00	5084.66	69.09	69.09	365.35	0.99
26	4/21/2010	<input type="checkbox"/>	5205	1.80	185.20	0.00	5180.62	66.58	66.58	365.06	0.61
27	4/21/2010	<input type="checkbox"/>	5299	1.89	187.10	0.00	5274.57	63.57	63.57	364.74	0.12
28	4/21/2010	<input type="checkbox"/>	5393	1.65	199.90	0.00	5368.53	60.76	60.76	364.08	0.49
29	4/21/2010	<input type="checkbox"/>	5489	1.80	196.10	0.00	5464.49	58.01	58.01	363.20	0.20
30	4/21/2010	<input type="checkbox"/>	5528	1.87	194.10	0.00	5503.47	56.81	56.81	362.87	0.24
31	4/21/2010	<input type="checkbox"/>	5584	1.87	194.10	0.00	5559.44	55.03	55.03	362.43	0.00



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
PETROGLYPH OPERATING COMPANY INC.

3. ADDRESS OF OPERATOR:  
P.O. BOX 607 CITY ROOSEVELT STATE UT ZIP 84066

PHONE NUMBER:  
(435) 722-2531

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 390' FSL, 547' FWL

COUNTY: DUCHESNE

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 30 T5S R3W

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:  
14-20-H62-3519

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
Ute Indian Tribe

7. UNIT or CA AGREEMENT NAME:  
Ute Tribal 14-20-h62-4650

8. WELL NAME and NUMBER:  
Ute Tribal 30-13

9. API NUMBER:  
4301334054

10. FIELD AND POOL, OR WILDCAT:  
Antelope Creek

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Spud Notification
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

We Spud on 3/17/2010 at 9:00 A.M.

NAME (PLEASE PRINT) LES FARNSWORTH

TITLE DISTRICT MANAGER

SIGNATURE

DATE 8/30/2011

(This space for State use only)

RECEIVED

SEP 06 2011